


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU L-36-8-17							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE							
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)							
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825							
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-44305			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		1985 FNL 1997 FEL		SWNE		36		8.0 S		17.0 E		S	
Top of Uppermost Producing Zone		2522 FNL 1394 FEL		SWNE		36		8.0 S		17.0 E		S	
At Total Depth		2481 FSL 1100 FEL		NESE		36		8.0 S		17.0 E		S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1100			23. NUMBER OF ACRES IN DRILLING UNIT 20							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1004			26. PROPOSED DEPTH MD: 6421 TVD: 6421							
27. ELEVATION - GROUND LEVEL 5004			28. BOND NUMBER B001834			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478							
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G		138	1.17	15.8		
Prod	7.875	5.5	0 - 6421	15.5	J-55 LT&C	8.3	Premium Lite High Strength		305	3.26	11.0		
							50/50 Poz		363	1.24	14.3		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Mandie Crozier					TITLE Regulatory Tech					PHONE 435 646-4825			
SIGNATURE					DATE 02/25/2011					EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43047515070000					APPROVAL  Permit Manager								

NEWFIELD PRODUCTION COMPANY
GMBU L-36-8-17
AT SURFACE: SW/NE SECTION 36, T8S, R17E
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1575'
Green River	1575'
Wasatch	6245'
Proposed TD	6421'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1575' – 6245'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. PROPOSED CASING PROGRAM

a. Casing Design: GMBU L-36-8-17

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,421'	15.5	J-55	LTC	4,810 2.35	4,040 1.98	217,000 2.18

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU L-36-8-17

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,421'	Prem Lite II w/ 10% gel + 3% KCl	305 996	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the second quarter of 2011, and take approximately seven (7) days from spud to rig release.

2-M SYSTEM

Blowout Prevention Equipment Systems

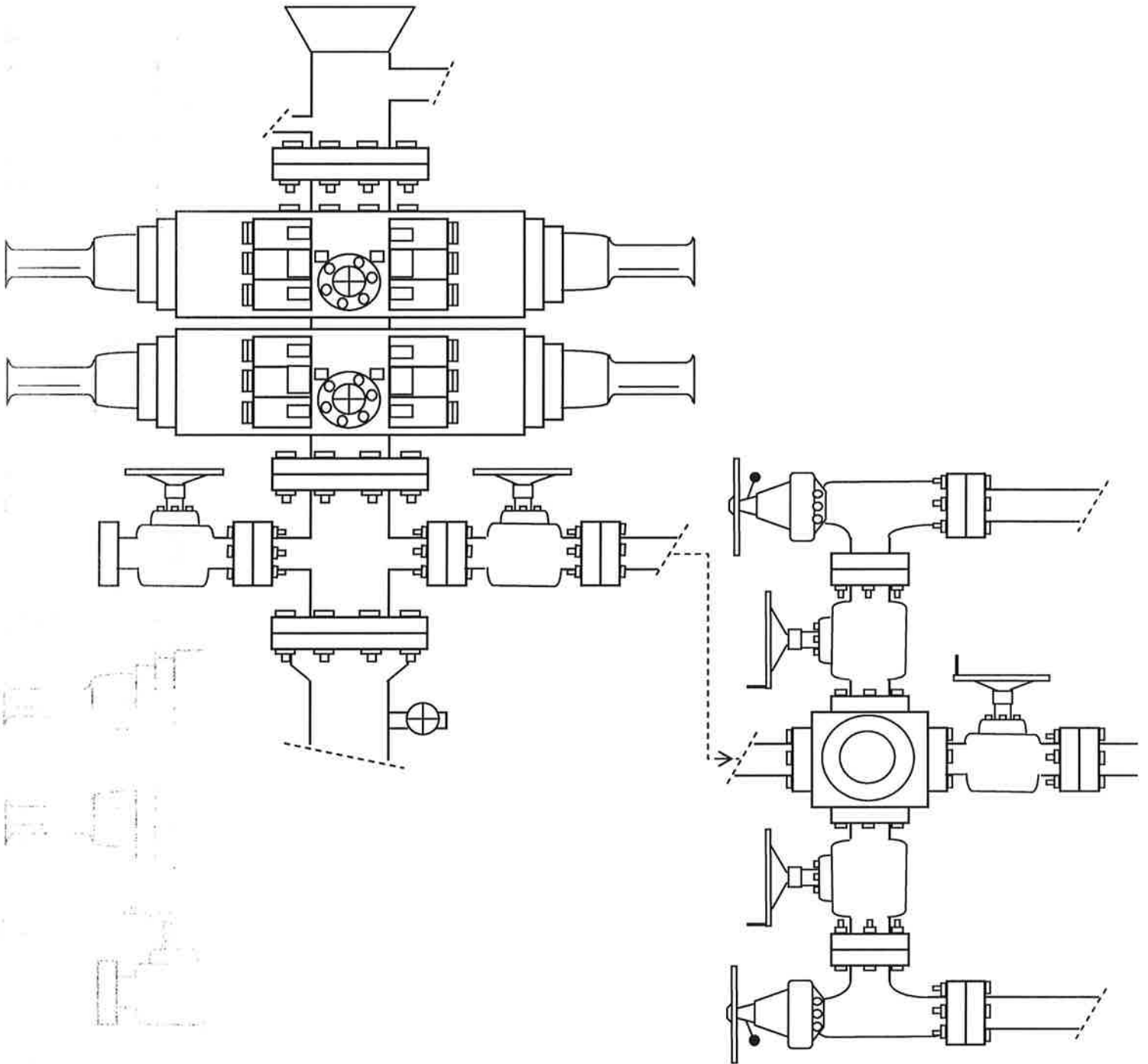
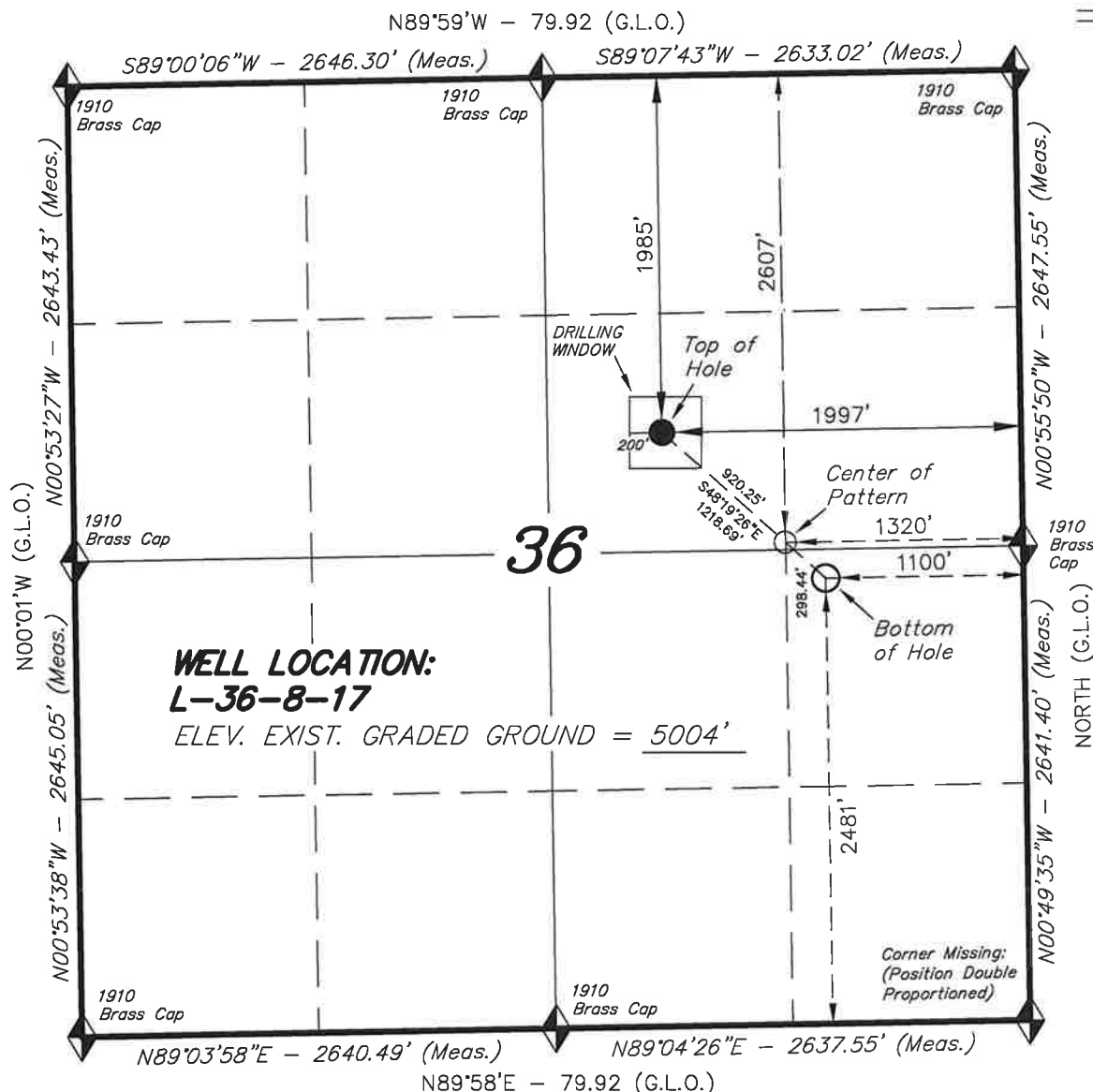


EXHIBIT C

T8S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, L-36-8-17, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.

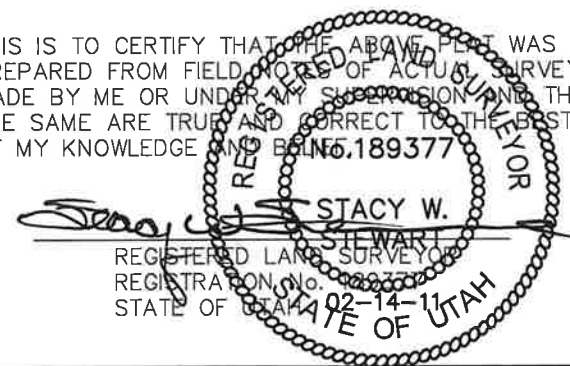
TARGET BOTTOM HOLE, L-36-8-17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



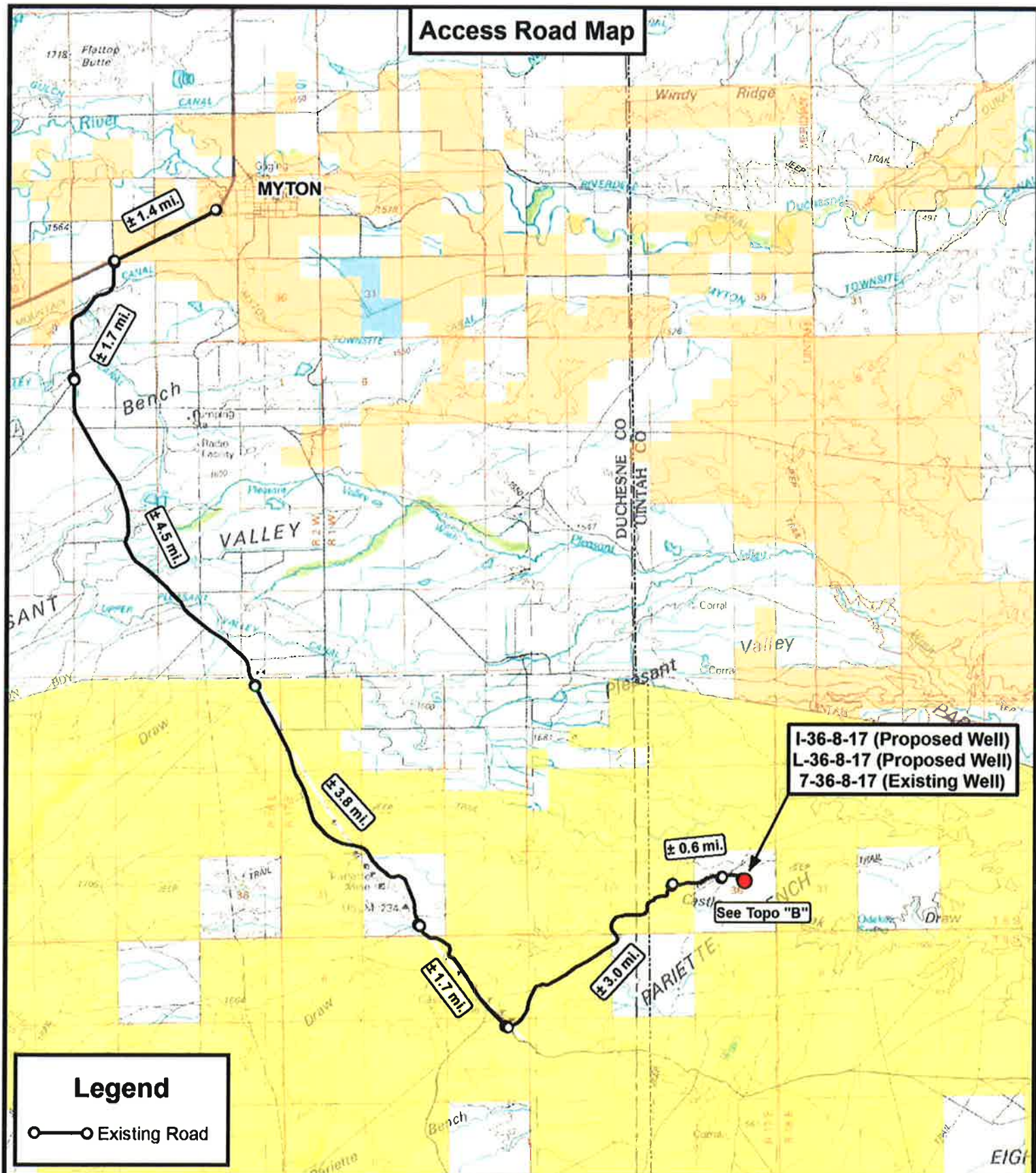
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

L-36-8-17
(Surface Location) NAD 83
LATITUDE = 40° 04' 34.50"
LONGITUDE = 109° 57' 09.44"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-24-11	SURVEYED BY: T.P.
DATE DRAWN: 01-31-11	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
 F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

I-36-8-17 (Proposed Well)
 L-36-8-17 (Proposed Well)
 7-36-8-17 (Existing Well)
 SEC. 36, T8S, R17E, S.L.B.&M. Uintah County, UT.

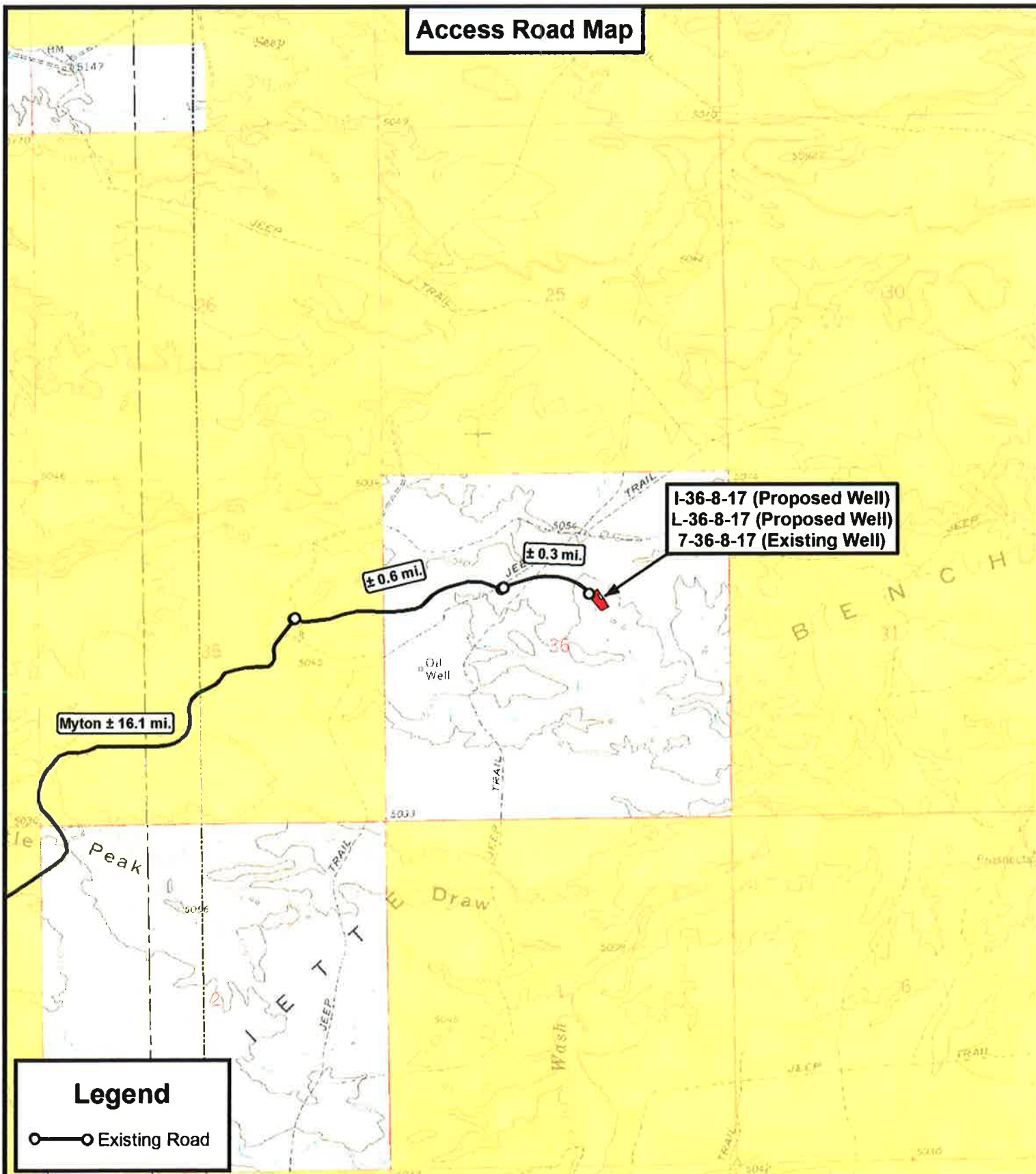
TOPOGRAPHIC MAP

SHEET
A

RECEIVED: Feb. 25, 2011

DRAWN BY: C.H.M.
 DATE: 02-02-2011
 SCALE: 1:100,000

Access Road Map



Legend

— Existing Road



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N



NEWFIELD EXPLORATION COMPANY

I-36-8-17 (Proposed Well)
L-36-8-17 (Proposed Well)
7-36-8-17 (Existing Well)

SEC. 36, T8S, R17E, S.L.B.&M. Uintah County, UT.

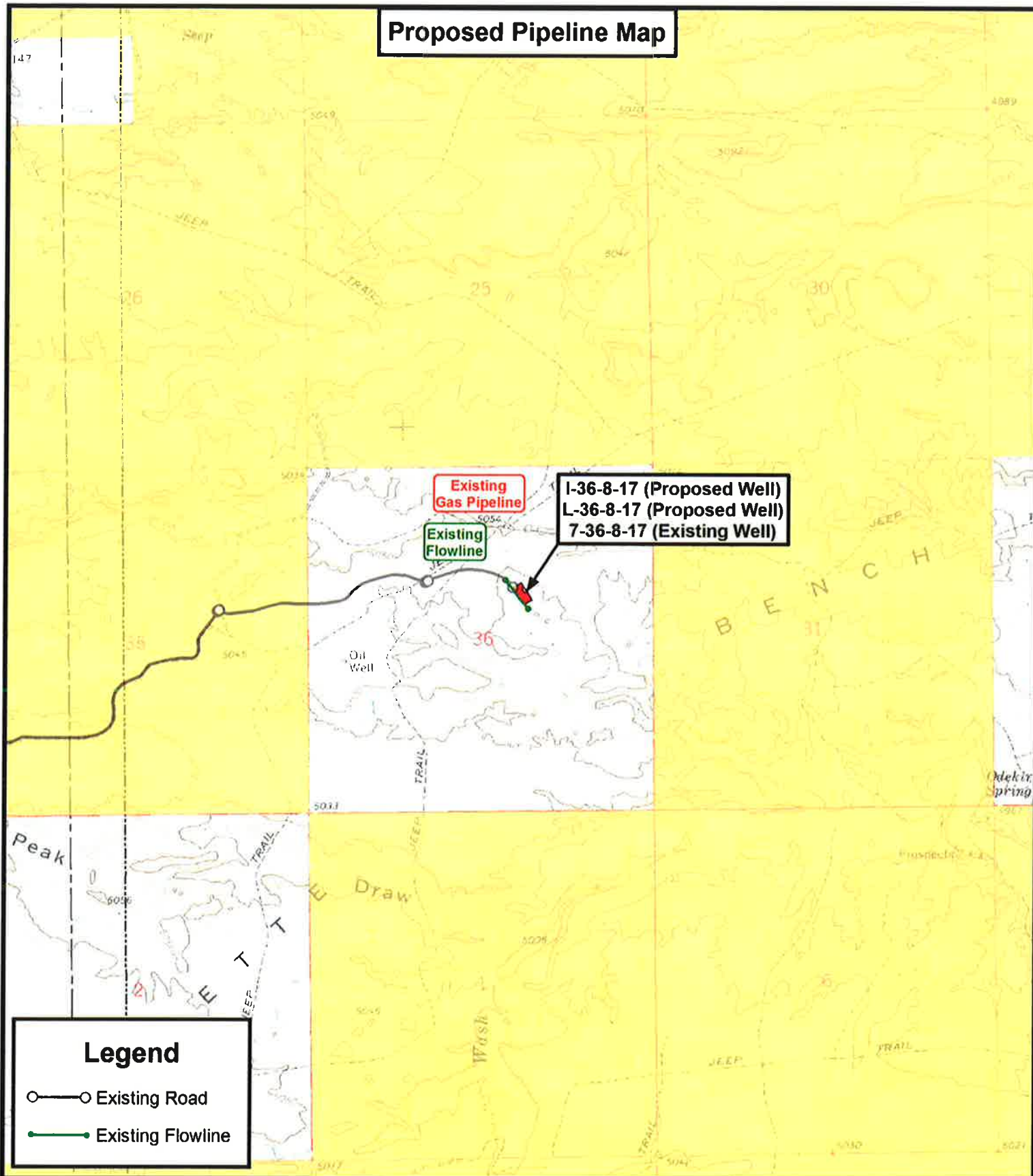
DRAWN BY:	C.H.M.
DATE:	02-02-2011
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET

B

RECEIVED: Feb. 25, 2011

Proposed Pipeline Map

Tri State
Land Surveying, Inc.
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 F: (435) 781-2518

**NEWFIELD EXPLORATION COMPANY**

I-36-8-17 (Proposed Well)
 L-36-8-17 (Proposed Well)
 7-36-8-17 (Existing Well)
 SEC. 36, T8S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY: C.H.M.
 DATE: 02-02-2011
 SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET
C

RECEIVED: Feb. 25, 2011

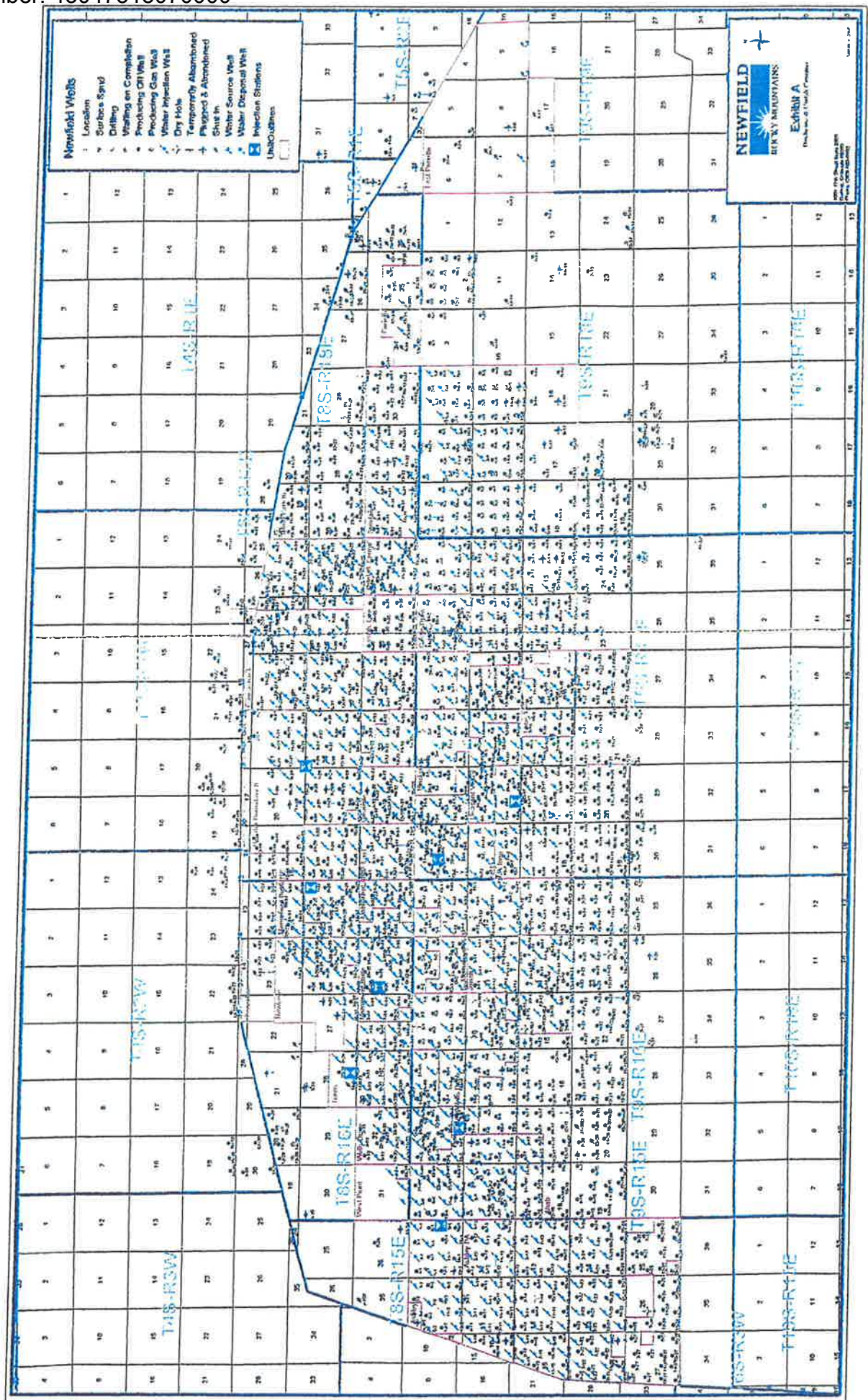
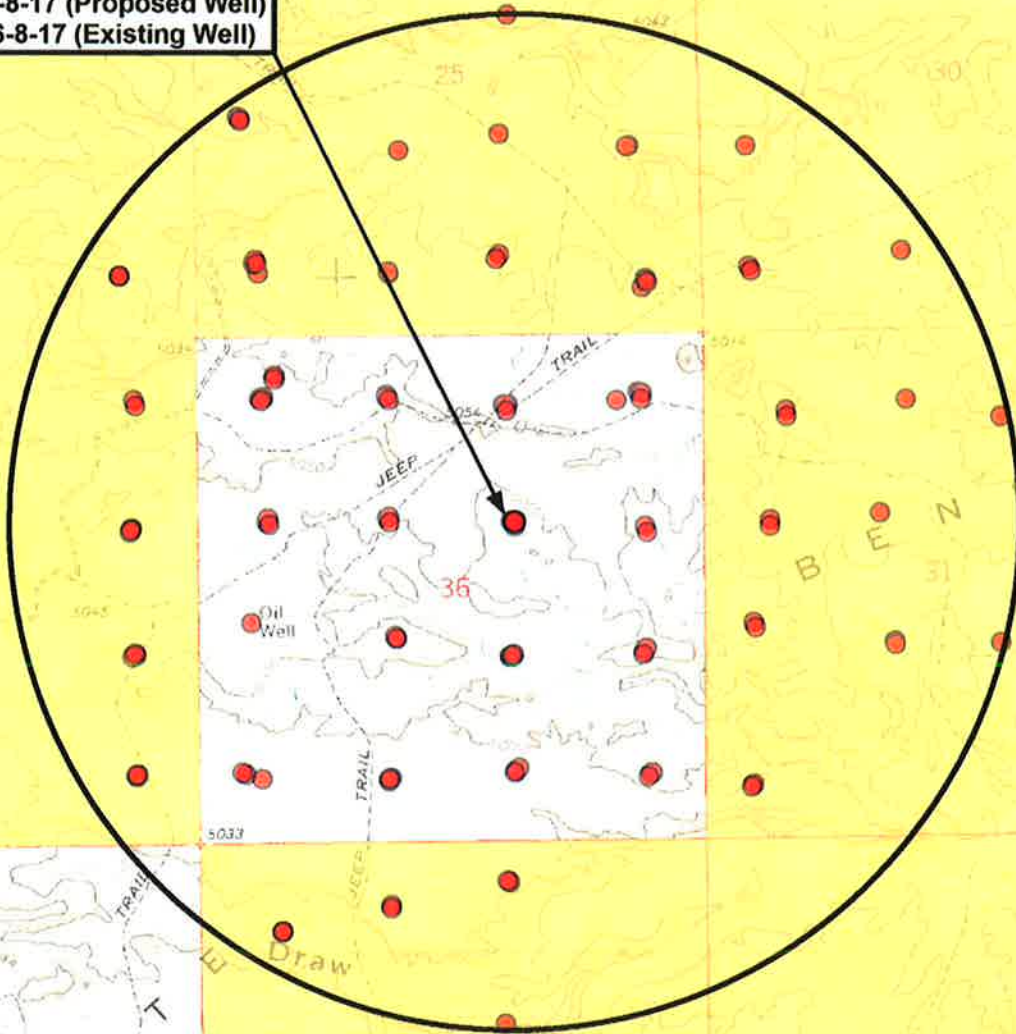


Exhibit "B" Map

I-36-8-17 (Proposed Well)
L-36-8-17 (Proposed Well)
7-36-8-17 (Existing Well)



Legend

-  1 Mile Radius
-  Pad Location

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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NEWFIELD EXPLORATION COMPANY

I-36-8-17 (Proposed Well)
L-36-8-17 (Proposed Well)
7-36-8-17 (Existing Well)
SEC. 36, T8S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY: C.H.M.
DATE: 02-02-2011
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET
D

RECEIVED: Feb. 25, 2011

NEWFIELD



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 36 T8S, R17E
L-36-8-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

27 January, 2011





PayZone Directional Services, LLC.

Planning Report



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: L-36-8-17
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well L-36-8-17
TVD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig)
MD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: Utah Central Zone
System Datum: Mean Sea Level

Site SECTION 36 T8S, R17E

Site Position: Northing: 7,200,290.92 ft Latitude: 40° 4' 35.190 N
From: Lat/Long Easting: 2,072,102.31 ft Longitude: 109° 57' 26.000 W
Position Uncertainty: 0.0 ft Slot Radius: " Grid Convergence: 0.99 °

Well L-36-8-17, SHL LAT: 40 04 34.50 LONG: -109 57 09.44

Well Position +N/-S -47.6 ft Northing: 7,200,243.34 ft Latitude: 40° 4' 34.500 N
 +E/-W 1,288.2 ft Easting: 2,073,390.52 ft Longitude: 109° 57' 9.440 W
Position Uncertainty 0.0 ft Wellhead Elevation: 5,016.0 ft Ground Level: 5,004.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/01/27	11.32	65.85	52,345

Design Design #1

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	131.68

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,471.7	13.08	131.68	1,464.1	-65.9	74.0	1.50	1.50	0.00	131.68	
5,101.7	13.08	131.68	5,000.0	-611.9	687.3	0.00	0.00	0.00	0.00	L-36-8-17 TGT
6,420.9	13.08	131.68	6,285.0	-810.4	910.2	0.00	0.00	0.00	0.00	

NEWFIELD



PayZone Directional Services, LLC.

Planning Report



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
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MD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	131.68	700.0	-0.9	1.0	1.3	1.50	1.50	0.00
800.0	3.00	131.68	799.9	-3.5	3.9	5.2	1.50	1.50	0.00
900.0	4.50	131.68	899.7	-7.8	8.8	11.8	1.50	1.50	0.00
1,000.0	6.00	131.68	999.3	-13.9	15.6	20.9	1.50	1.50	0.00
1,100.0	7.50	131.68	1,098.6	-21.7	24.4	32.7	1.50	1.50	0.00
1,200.0	9.00	131.68	1,197.5	-31.3	35.1	47.0	1.50	1.50	0.00
1,300.0	10.50	131.68	1,296.1	-42.5	47.8	64.0	1.50	1.50	0.00
1,400.0	12.00	131.68	1,394.2	-55.5	62.3	83.5	1.50	1.50	0.00
1,471.7	13.08	131.68	1,464.1	-65.9	74.0	99.0	1.50	1.50	0.00
1,500.0	13.08	131.68	1,491.7	-70.1	78.7	105.4	0.00	0.00	0.00
1,600.0	13.08	131.68	1,589.1	-85.2	95.6	128.1	0.00	0.00	0.00
1,700.0	13.08	131.68	1,686.5	-100.2	112.5	150.7	0.00	0.00	0.00
1,800.0	13.08	131.68	1,783.9	-115.2	129.4	173.3	0.00	0.00	0.00
1,900.0	13.08	131.68	1,881.3	-130.3	146.3	195.9	0.00	0.00	0.00
2,000.0	13.08	131.68	1,978.8	-145.3	163.2	218.6	0.00	0.00	0.00
2,100.0	13.08	131.68	2,076.2	-160.4	180.1	241.2	0.00	0.00	0.00
2,200.0	13.08	131.68	2,173.6	-175.4	197.0	263.8	0.00	0.00	0.00
2,300.0	13.08	131.68	2,271.0	-190.5	213.9	286.4	0.00	0.00	0.00
2,400.0	13.08	131.68	2,368.4	-205.5	230.8	309.0	0.00	0.00	0.00
2,500.0	13.08	131.68	2,465.8	-220.6	247.7	331.7	0.00	0.00	0.00
2,600.0	13.08	131.68	2,563.2	-235.6	264.6	354.3	0.00	0.00	0.00
2,700.0	13.08	131.68	2,660.6	-250.6	281.5	376.9	0.00	0.00	0.00
2,800.0	13.08	131.68	2,758.0	-265.7	298.4	399.5	0.00	0.00	0.00
2,900.0	13.08	131.68	2,855.4	-280.7	315.3	422.2	0.00	0.00	0.00
3,000.0	13.08	131.68	2,952.8	-295.8	332.2	444.8	0.00	0.00	0.00
3,100.0	13.08	131.68	3,050.2	-310.8	349.1	467.4	0.00	0.00	0.00
3,200.0	13.08	131.68	3,147.6	-325.9	366.0	490.0	0.00	0.00	0.00
3,300.0	13.08	131.68	3,245.1	-340.9	382.9	512.7	0.00	0.00	0.00
3,400.0	13.08	131.68	3,342.5	-355.9	399.8	535.3	0.00	0.00	0.00
3,500.0	13.08	131.68	3,439.9	-371.0	416.7	557.9	0.00	0.00	0.00
3,600.0	13.08	131.68	3,537.3	-386.0	433.6	580.5	0.00	0.00	0.00
3,700.0	13.08	131.68	3,634.7	-401.1	450.5	603.1	0.00	0.00	0.00
3,800.0	13.08	131.68	3,732.1	-416.1	467.4	625.8	0.00	0.00	0.00
3,900.0	13.08	131.68	3,829.5	-431.2	484.3	648.4	0.00	0.00	0.00
4,000.0	13.08	131.68	3,926.9	-446.2	501.2	671.0	0.00	0.00	0.00
4,100.0	13.08	131.68	4,024.3	-461.3	518.1	693.6	0.00	0.00	0.00
4,200.0	13.08	131.68	4,121.7	-476.3	535.0	716.3	0.00	0.00	0.00
4,300.0	13.08	131.68	4,219.1	-491.3	551.9	738.9	0.00	0.00	0.00
4,400.0	13.08	131.68	4,316.5	-506.4	568.8	761.5	0.00	0.00	0.00
4,500.0	13.08	131.68	4,413.9	-521.4	585.6	784.1	0.00	0.00	0.00
4,600.0	13.08	131.68	4,511.3	-536.5	602.5	806.8	0.00	0.00	0.00
4,700.0	13.08	131.68	4,608.8	-551.5	619.4	829.4	0.00	0.00	0.00
4,800.0	13.08	131.68	4,706.2	-566.6	636.3	852.0	0.00	0.00	0.00
4,900.0	13.08	131.68	4,803.6	-581.6	653.2	874.6	0.00	0.00	0.00
5,000.0	13.08	131.68	4,901.0	-596.6	670.1	897.3	0.00	0.00	0.00
5,101.7	13.08	131.68	5,000.0	-611.9	687.3	920.2	0.00	0.00	0.00

L-36-8-17 TGT



PayZone Directional Services, LLC.

Planning Report



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: L-36-8-17
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well L-36-8-17
TVD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig)
MD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	13.08	131.68	5,095.8	-626.7	703.9	942.5	0.00	0.00	0.00
5,300.0	13.08	131.68	5,193.2	-641.8	720.8	965.1	0.00	0.00	0.00
5,400.0	13.08	131.68	5,290.6	-656.8	737.7	987.7	0.00	0.00	0.00
5,500.0	13.08	131.68	5,388.0	-671.9	754.6	1,010.4	0.00	0.00	0.00
5,600.0	13.08	131.68	5,485.4	-686.9	771.5	1,033.0	0.00	0.00	0.00
5,700.0	13.08	131.68	5,582.8	-702.0	788.4	1,055.6	0.00	0.00	0.00
5,800.0	13.08	131.68	5,680.2	-717.0	805.3	1,078.2	0.00	0.00	0.00
5,900.0	13.08	131.68	5,777.6	-732.0	822.2	1,100.9	0.00	0.00	0.00
6,000.0	13.08	131.68	5,875.0	-747.1	839.1	1,123.5	0.00	0.00	0.00
6,100.0	13.08	131.68	5,972.5	-762.1	856.0	1,146.1	0.00	0.00	0.00
6,200.0	13.08	131.68	6,069.9	-777.2	872.9	1,168.7	0.00	0.00	0.00
6,300.0	13.08	131.68	6,167.3	-792.2	889.8	1,191.4	0.00	0.00	0.00
6,400.0	13.08	131.68	6,264.7	-807.3	906.7	1,214.0	0.00	0.00	0.00
6,420.9	13.08	131.68	6,285.0	-810.4	910.2	1,218.7	0.00	0.00	0.00

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
L-36-8-17 TGT	0.00	0.00	5,000.0	-611.9	687.3	7,199,631.40	2,074,077.83	40° 4' 28.335 N	109° 57' 0.735 W
- plan hits target									
- Circle (radius 75.0)									



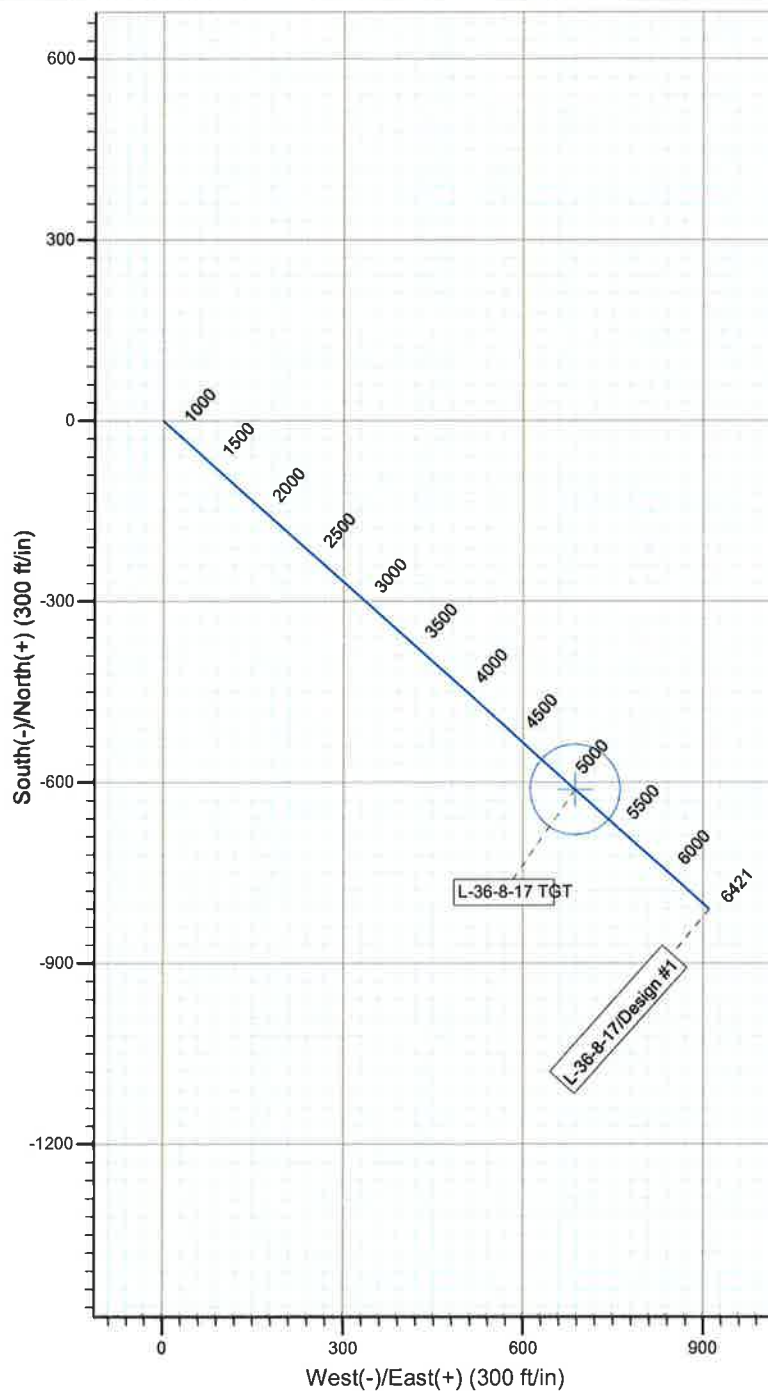
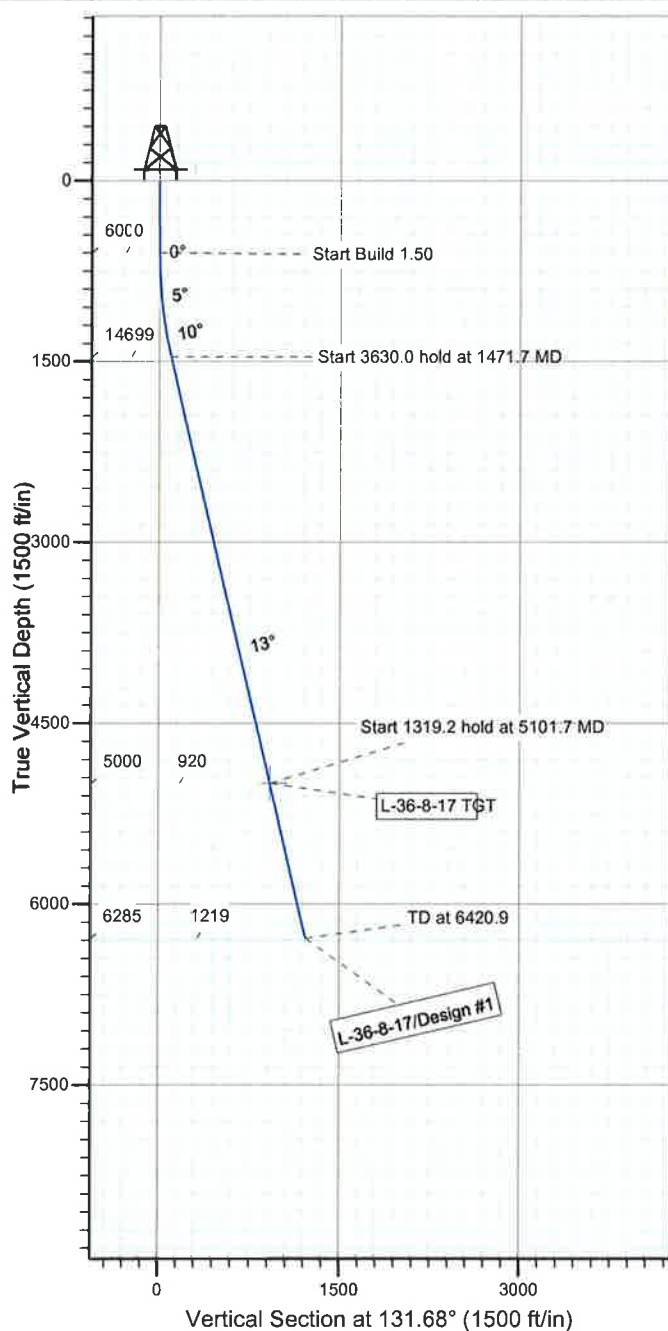
Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: L-36-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to Grid North
 True North: -0.99°
 Magnetic North: 10.33°

Magnetic Field
 Strength: 52344.7snT
 Dip Angle: 65.85°
 Date: 2011/01/27
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
L-36-8-17 TGT	5000.0	-611.9	687.3	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1471.7	13.08	131.68	1464.1	-65.9	74.0	1.50	131.68	99.0	
4	5101.7	13.08	131.68	5000.0	-611.9	687.3	0.00	0.00	920.2	L-36-8-17 TGT
5	6420.9	13.08	131.68	6285.0	-810.4	910.2	0.00	0.00	1218.7	



**NEWFIELD PRODUCTION COMPANY
GMBU L-36-8-17
AT SURFACE: SW/NE SECTION 36, T8S, R17E
UINTAH COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU L-36-8-17 located in the SW 1/4 NE 1/4 Section 36, T8S, R17E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.7 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly - 3.9 miles \pm to the access road to the existing 7-36-8-17 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 7-36-8-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – State of Utah.

12. **OTHER ADDITIONAL INFORMATION :**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly

disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU L-36-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU L-36-8-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Representative

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #L-36-8-17, Section 36, Township 8S, Range 17E: Lease ML-44305 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

2/25/11

Date



Mandie Crozier

Regulatory Specialist

Newfield Production Company

2-M SYSTEM

Blowout Prevention Equipment Systems

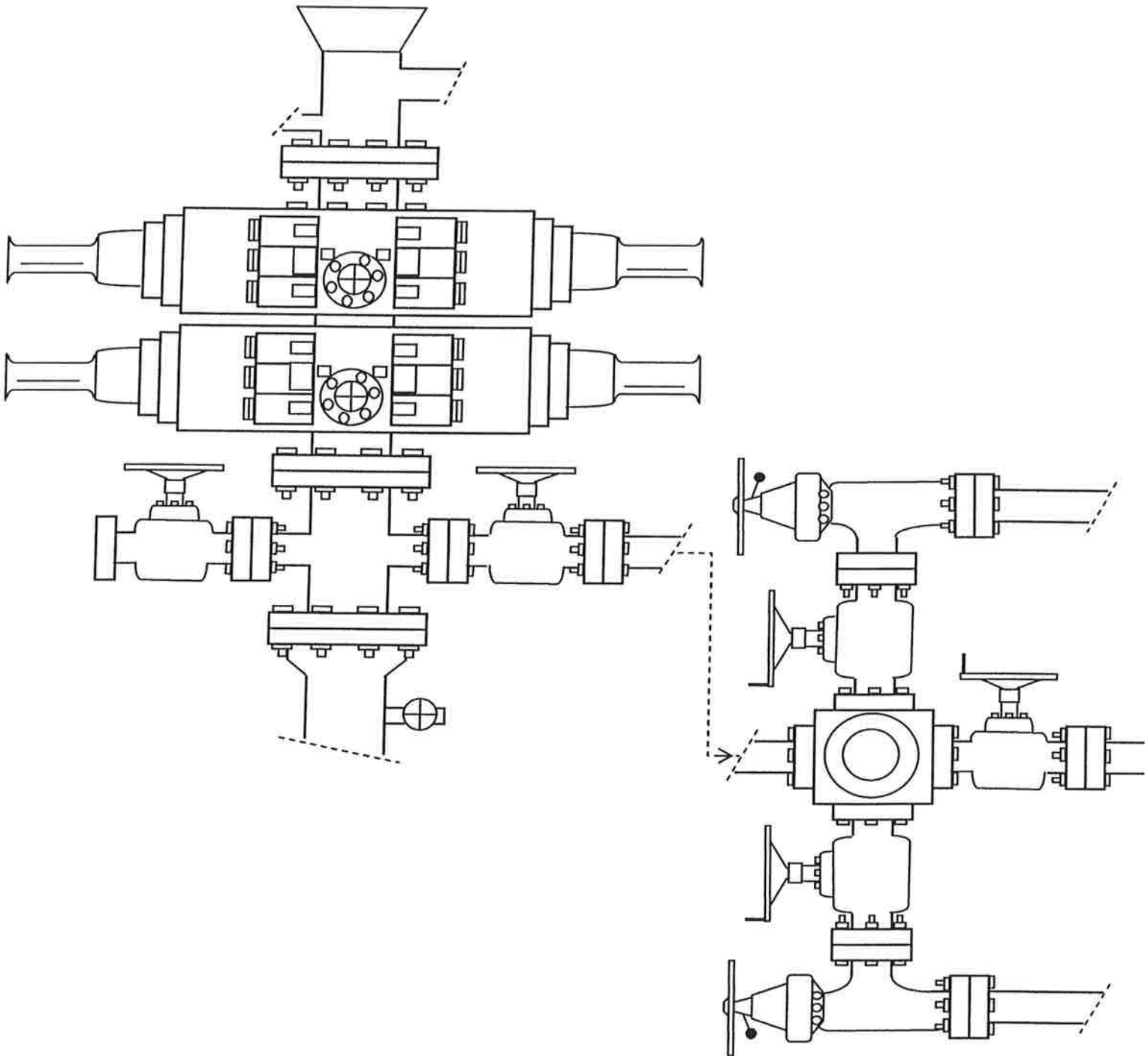


EXHIBIT C

NEWFIELD EXPLORATION COMPANY

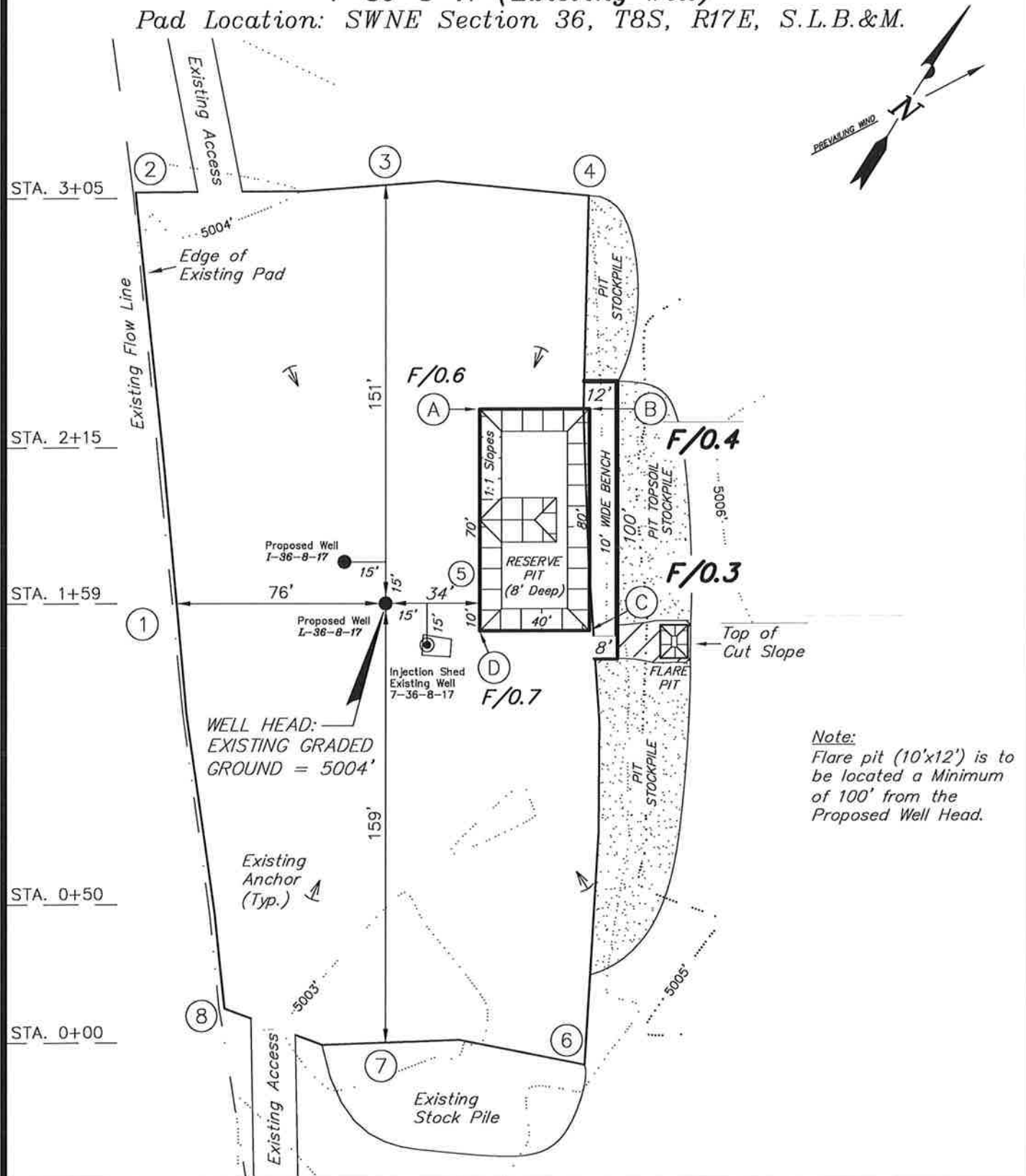
LOCATION LAYOUT

I-36-8-17 (Proposed Well)

L-36-8-17 (Proposed Well)

7-36-8-17 (Existing Well)

Pad Location: SWNE Section 36, T8S, R17E, S.L.B.&M.



SURVEYED BY: T.P.

DATE SURVEYED: 01-24-11

DRAWN BY: F.T.M.

DATE DRAWN: 01-31-11

SCALE: 1" = 50'

REVISED:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD EXPLORATION COMPANY

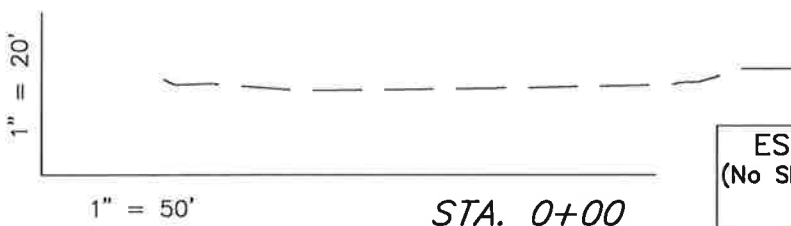
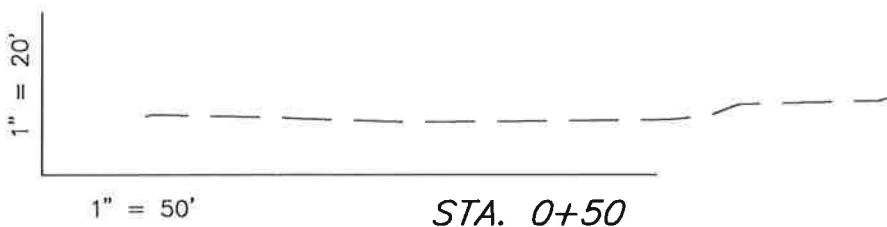
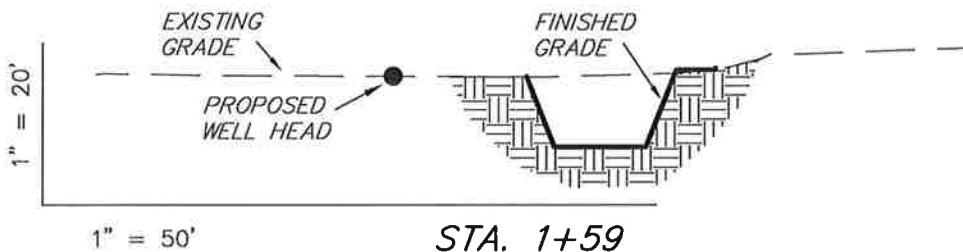
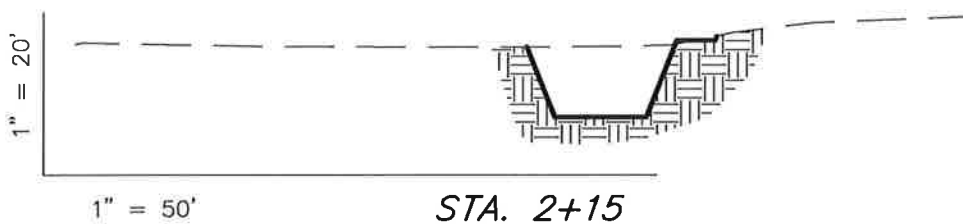
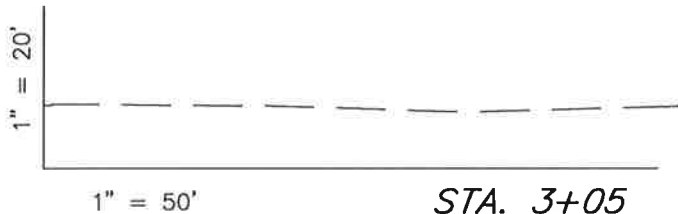
CROSS SECTIONS

I-36-8-17 (Proposed Well)

L-36-8-17 (Proposed Well)

7-36-8-17 (Existing Well)

Pad Location: SWNE Section 36, T8S, R17E, S.L.B.&M.



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	0	50	Topsoil is not included in Pad Cut	-50
PIT	470	0		470
TOTALS	470	50	120	420

SURVEYED BY: T.P.

DATE SURVEYED: 01-24-11

DRAWN BY: F.T.M.

DATE DRAWN: 01-31-11

SCALE: 1" = 50'

REVISED:

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: Feb. 25, 2011

NEWFIELD EXPLORATION COMPANY

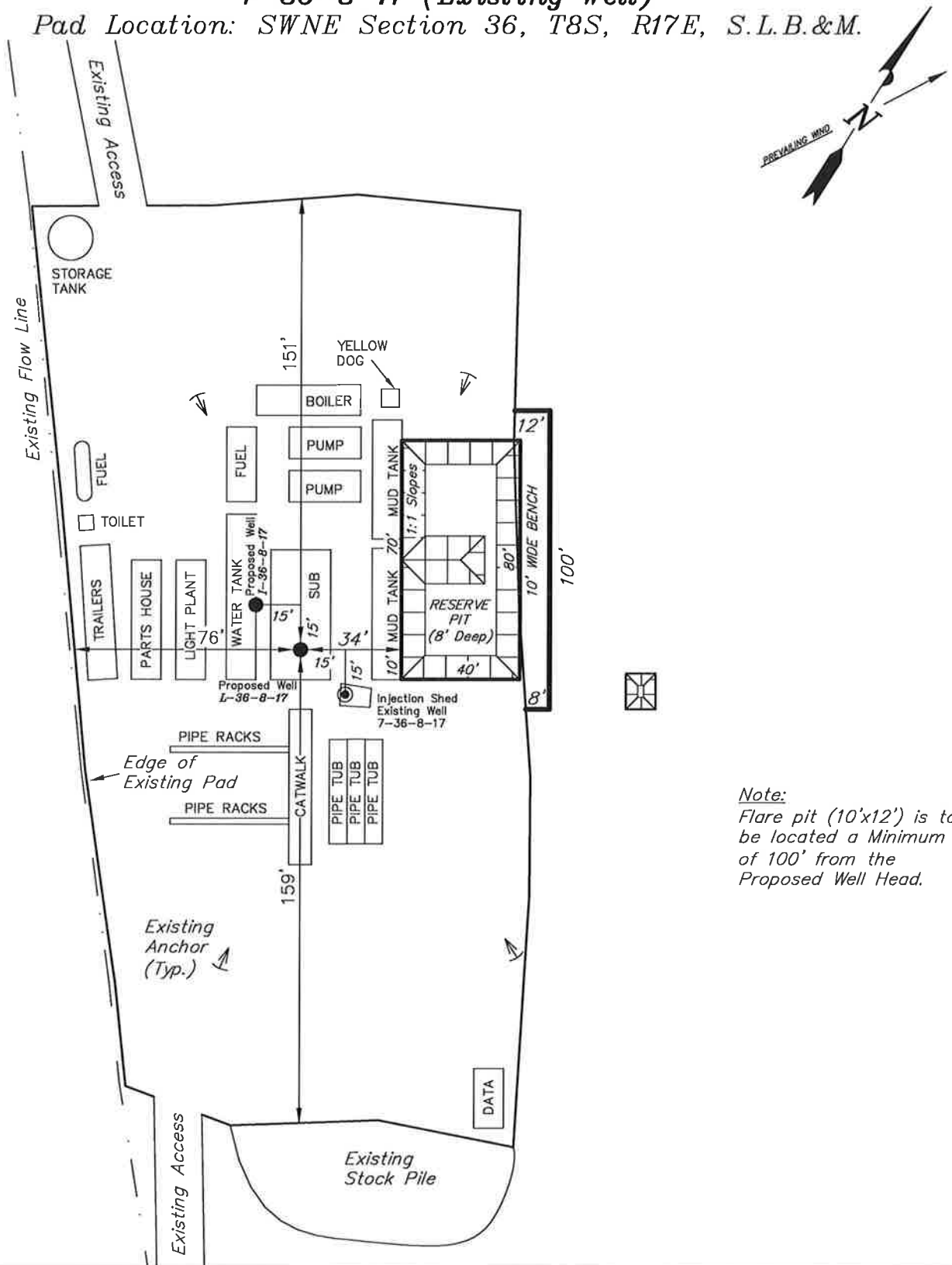
TYPICAL RIG LAYOUT

I-36-8-17 (Proposed Well)

L-36-8-17 (Proposed Well)

7-36-8-17 (Existing Well)

Pad Location: SWNE Section 36, T8S, R17E, S.L.B.&M.



Note:

Flare pit (10'x12') is to be located a Minimum of 100' from the Proposed Well Head.

SURVEYED BY: T.P.

DATE SURVEYED: 01-24-11

DRAWN BY: F.T.M.

DATE DRAWN: 01-31-11

SCALE: 1" = 50'

REVISED:

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: Feb. 25, 2011

VIA ELECTRONIC DELIVERY



March 1, 2011

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Greater Monument Butte L-36-8-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 36: SWNE (ML-44305)
1985' FNL 1997' FWL

At Target: T8S-R17E Section 36: NESE (ML-44305)
2481' FSL 1100' FEL

Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 2/25/11, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "Shane Gillespie".

Shane Gillespie
Land Associate

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

 AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO ML-44305	6. SURFACE State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME Greater Monument Butte	
2. NAME OF OPERATOR: Newfield Production Company				9. WELL NAME and NUMBER: GMBU L-36-8-17	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 Myton UT 84052				10. FIELD AND POOL, OR WILDCAT: Monument Butte	
4. LOCATION OF WELL (FOOTAGES): AT SURFACE SW/NE 1985' FNL 1997' FWL Sec. 36 T8S R17E AT PROPOSED PRODUCING ZONE: NE/SE 2481' FSL 1100' FEL Sec. 36 T8S R17E				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 36 8S 17E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 17.0 miles southeast of Myton, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 1100' f/lse line, NA' f/unit line		16. NUMBER OF ACRES IN LEASE 640.00 acres		17. NUMBER OF ACRES ASSIGNED TO THIS WELL 20 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1004'		19. PROPOSED DEPTH: 6,421		20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER OF, RT, GR, ETC.): 5004' GL		22. APPROXIMATE DATE WORK WILL START: 2nd Qtr. 2011		23. ESTIMATED DURATION: (15) days from SPUD to rig release	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	8 5/8 J-55 24.0	300	Class G w/2% CaCl 155 sx +/- 1.17 15.8
7 7/8	5 1/2 J-55 15.5	6,421	Lead(Prem Lite II) 275 sx +/- 3.26 11.0
			Tail (50/50 Poz) 450 sx +/- 1.24 14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES.

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

SIGNATURE *Mandie Crozier* DATE 2/25/11

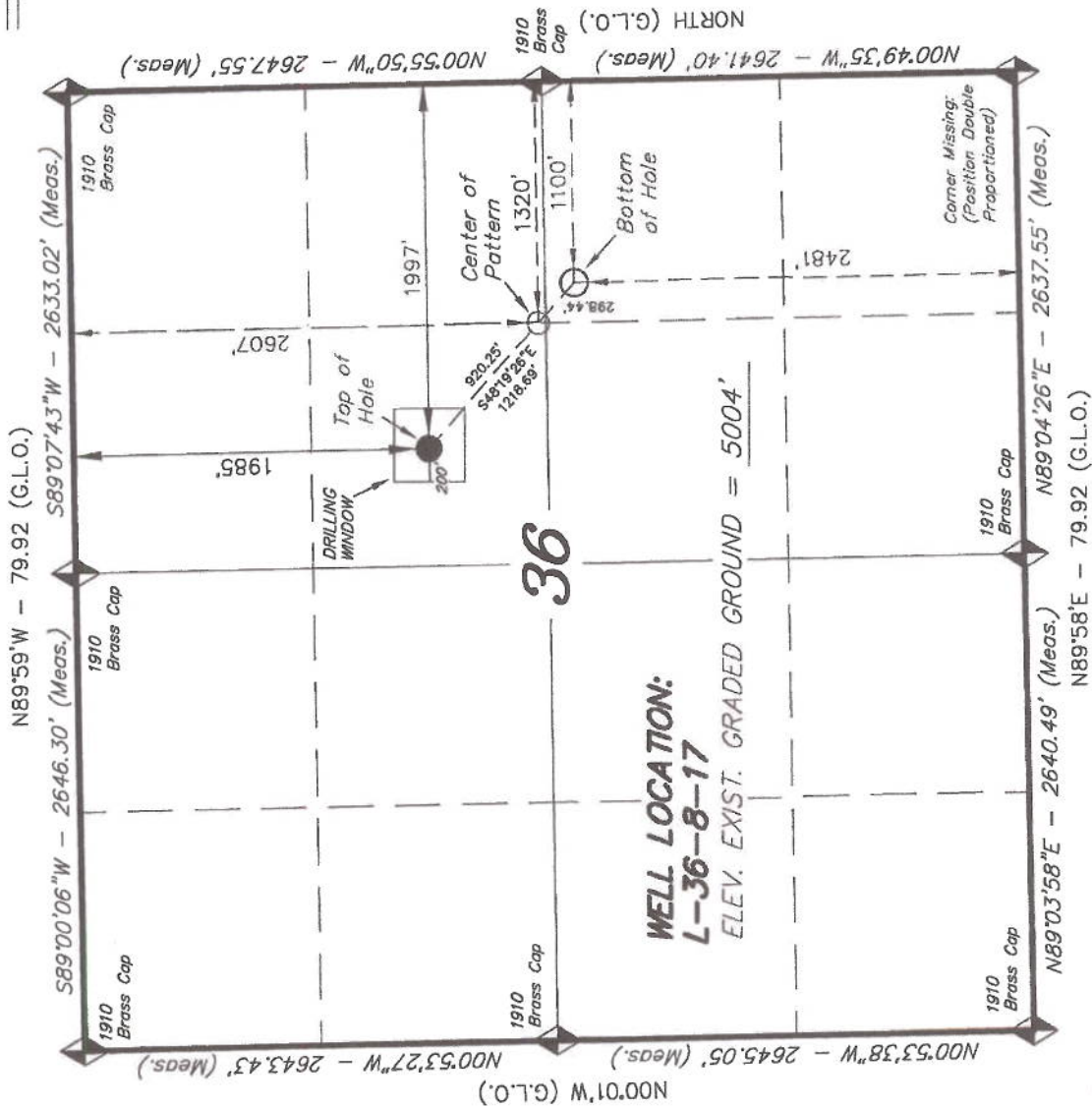
(This space for State use only)

API NUMBER ASSIGNED _____

APPROVAL: _____

T8S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, L-36-8-17, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, L-36-8-17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STACY W.
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 88823
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

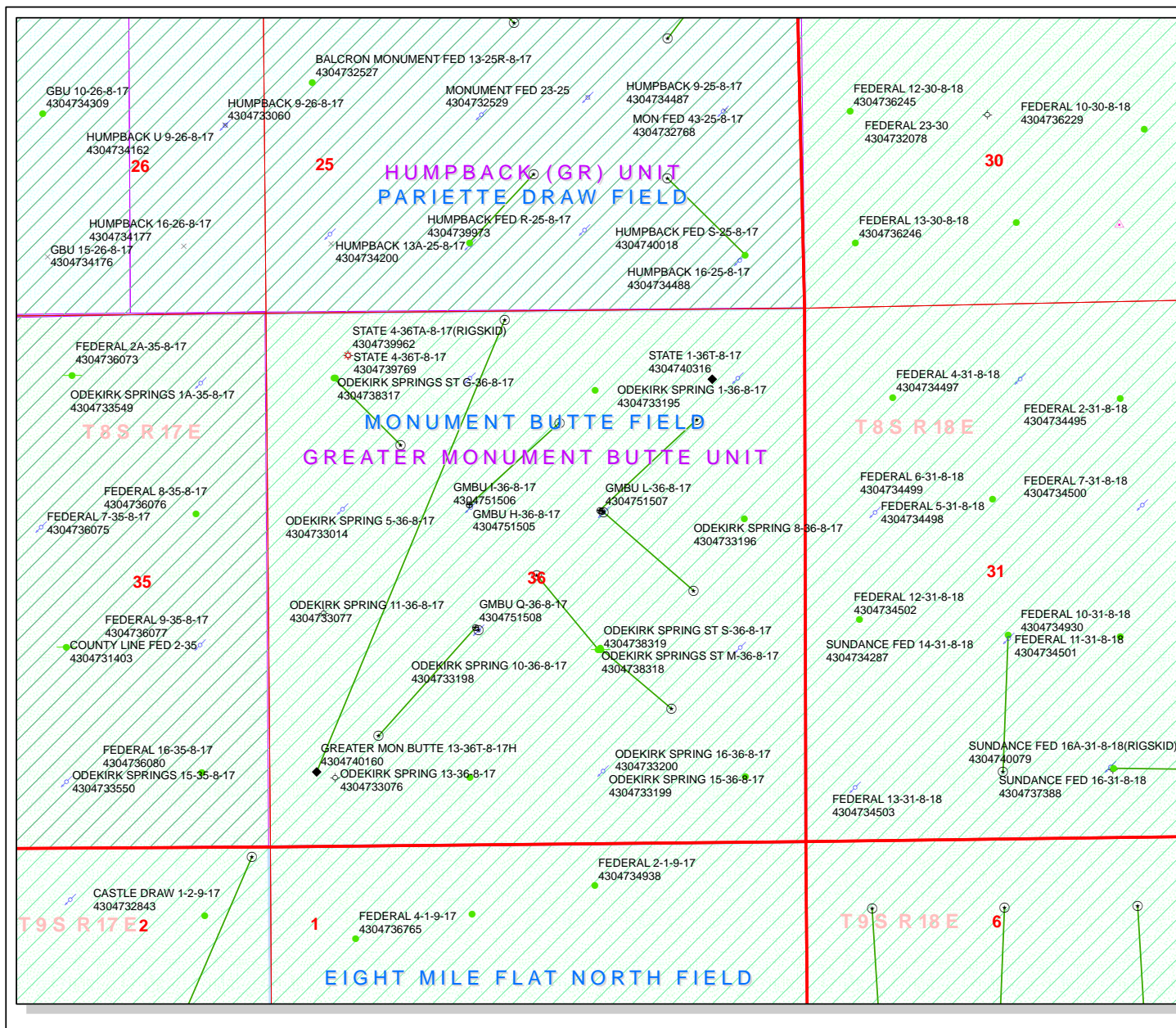
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE SURVEYED: 01-24-11	SURVEYED BY: T.P.
DATE DRAWN: 01-31-11	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

L-36-8-17
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 34.50"
 LONGITUDE = 109° 57' 09.44"

◆ = SECTION CORNERS LOCATED

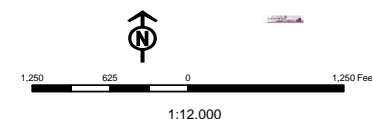
BASIS OF ELEV: Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'



API Number: 4304751507
Well Name: GMBU L-36-8-17
Township 08.0 S Range 17.0 E Section 36
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query
STATUS	STATUS
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
Fields	SGW - Shut-in Gas Well
Unknown	SOW - Shut-in Oil Well
ABANDONED	TA - Temp. Abandoned
ACTIVE	TW - Test Well
COMBINED	WDW - Water Disposal
INACTIVE	WIW - Water Injection Well
STORAGE	WSW - Water Supply Well
TERMINATED	
Sections	
Township	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 1, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2011 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following horizontal well is planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-047-51505	GMBU H-36-8-17	Sec 36 T08S R17E 1916 FNL 1996 FWL BHL Sec 36 T08S R17E 1115 FNL 2413 FEL
43-047-51506	GMBU I-36-8-17	Sec 36 T08S R17E 1980 FNL 2018 FEL BHL Sec 36 T08S R17E 1094 FNL 1064 FEL
43-047-51507	GMBU L-36-8-17	Sec 36 T08S R17E 1985 FNL 1997 FEL BHL Sec 36 T08S R17E 2481 FSL 1100 FEL
43-047-51508	GMBU Q-36-8-17	Sec 36 T08S R17E 2135 FSL 2047 FWL BHL Sec 36 T08S R17E 1073 FSL 1087 FWL

This office has no objection to permitting the well at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.03.01 09:39:49 -0700

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:3-1-11

RECEIVED: Mar. 01, 2011

From: Jim Davis
To: Bonner, Ed; Hill, Brad; Mason, Diana
CC: Garrison, LaVonne; mcrozier@newfield.com; teaton@newfield.com
Date: 3/21/2011 4:53 PM
Subject: 4 APD approvals for Newfield wells

The following wells have been approved by SITLA including arch clearance. The paleo requirement is not applicable as these wells will be drilled on existing pads which are not going to require any new surface disturbance.

4304751505	GMBU H-36-8-17
4304751506	GMBU I-36-8-17
4304751507	GMBU L-36-8-17
4304751508	GMBU Q-36-8-17

Thanks.
-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

Well Name	NEWFIELD PRODUCTION COMPANY GMBU L-36-8-17 4304			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6285		
Previous Shoe Setting Depth (TVD)	0	300		
Max Mud Weight (ppg)	8.3	8.3		
BOPE Proposed (psi)	0	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2721	8.3		

Calculations	Surf String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	129		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	93	NO	air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	63	NO	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	63	NO	
Required Casing/BOPE Test Pressure=		300	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

Calculations	Prod String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	2713		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1959	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1330	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1396	NO	Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	

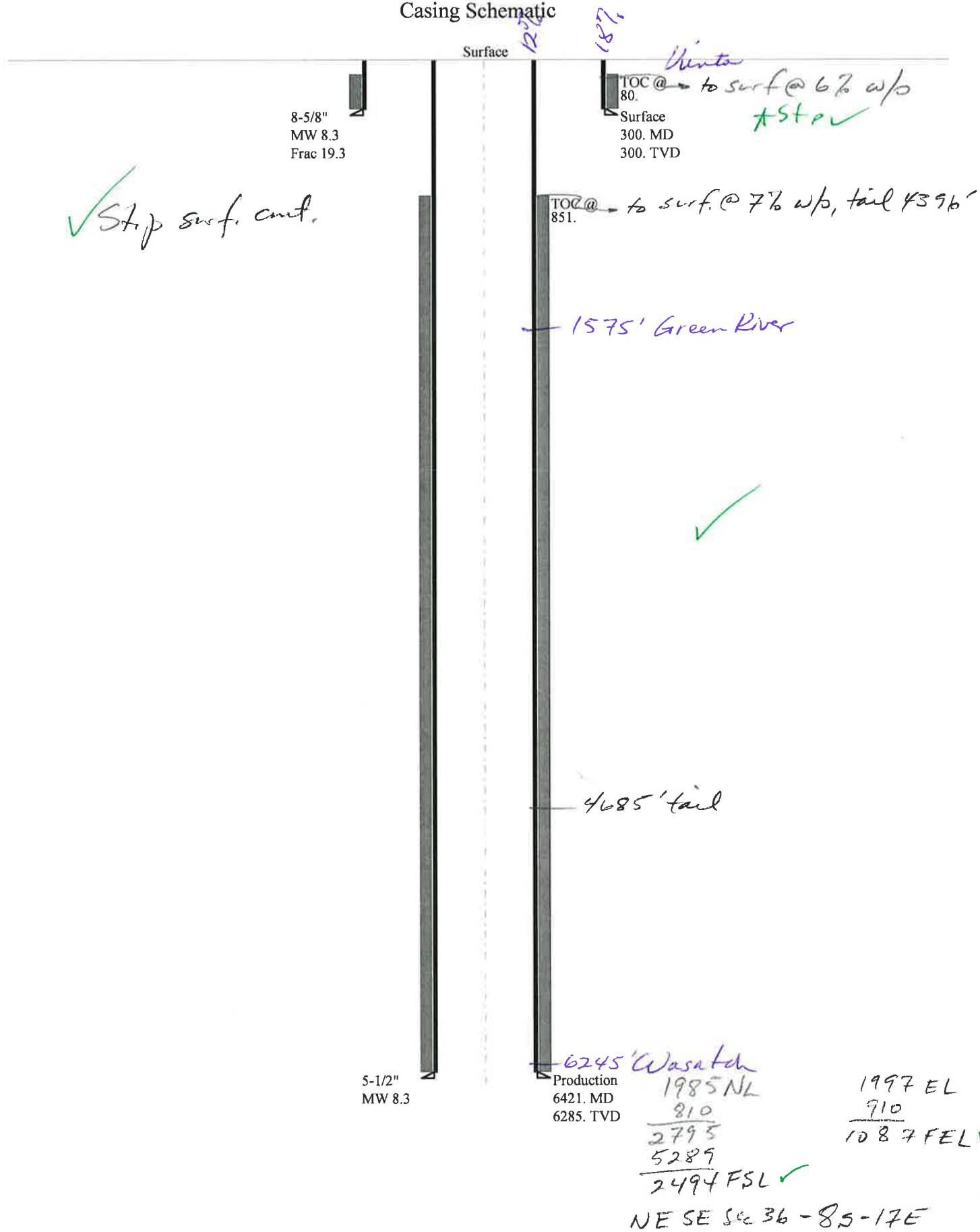
API Well Number: 43047515070000

*Max Pressure Allowed @ Previous Casing Shoe=

psi *Assumes 1psi/ft frac gradient

43047515070000 GMBU L-36-8-17

Casing Schematic



Well name:	43047515070000 GMBU L-36-8-17		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Surface	Project ID:	43-047-51507
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 78 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 80 ft

Burst

Max anticipated surface pressure: 264 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 300 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 262 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 6,285 ft
Next mud weight: 8.300 ppg
Next setting BHP: 2,710 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.557	300	2950	9.83	7.2	244	33.90 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 14, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: Apr. 18, 2011

Well name:	43047515070000 GMBU L-36-8-17	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-047-51507
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 162 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 851 ft

Burst

Max anticipated surface pressure: 1,337 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,720 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 1219 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 13.08 °

Tension is based on air weight.

Neutral point: 5,608 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6421	5.5	15.50	J-55	LT&C	6285	6421	4.825	22673

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2720	4040	1.485	2720	4810	1.77	97.4	217	2.23 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 14, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6285 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: Apr. 18, 2011

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY				
Well Name	GMBU L-36-8-17				
API Number	43047515070000	APD No	3495	Field/Unit	MONUMENT BUTTE
Location: 1/4,1/4	SWNE	Sec	36	Tw	8.0S Rng 17.0E 1985 FNL 1997 FEL
GPS Coord (UTM)	589368 4436543	Surface Owner			

Participants

Floyd Bartlett (DOGM) and Tim Eaton (Newfield).

Regional/Local Setting & Topography

The proposed Greater Monument Butte I and L- 36-8-17 oil wells are directional wells to be added to and drilled from the existing pad of the GMBU 7-36-8-17 which is a producing oil well. The area in designated for 20 acre spacing. No changes to the existing pad are needed.

A field review of the existing pad showed that a berm is needed on the south side of the location on the outside of the existing road. This is needed to keep any potential on location spills from leaving the pad. No other concerns were noted. The selected site should be a suitable for drilling and operating the proposed additional well.

SITLA owns both the surface and minerals.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	Width Length		

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands

Flora / Fauna

Existing Well Pad

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diversion Required?

Berm Required? Y

Erosion Sedimentation Control Required?**Paleo Survey Run?****Paleo Potential Observed?****Cultural Survey Run?****Cultural Resources?****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	75 to 100	10	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	45	1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug in the original location on the northeast side. Its dimensions are 80' x 40' x 8' deep. A 16 mil liner with an appropriate sub-liner is required.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Floyd Bartlett
Evaluator

3/2/2011
Date / Time

Application for Permit to Drill

Statement of Basis

4/18/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3495	43047515070000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU L-36-8-17		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	SWNE 36 8S 17E S 1985 FNL 1997 FEL GPS Coord (UTM)			589370E	4436528N

Geologic Statement of Basis

Newfield proposes to set 300 feet of surface casing at this location. The base of the moderately saline water at this location is estimated to be at approximately 100 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement program should adequately protect any useable ground water.

Brad Hill
APD Evaluator

3/7/2011
Date / Time

Surface Statement of Basis

The proposed Greater Monument Butte I and L- 36-8-17 oil wells are directional wells to be added to and drilled from the existing pad of the GMBU 7-36-8-17 which is a producing oil well. The area in designated for 20 acre spacing. No changes to the existing pad are needed.

A field review of the existing pad showed that a berm is needed on the south side of the location on the outside of the existing road. This is needed to keep any potential on location spills from leaving the pad. No other concerns were noted. The selected site should be a suitable for drilling and operating the proposed additional well.

SITLA owns both the surface and minerals. Mr. Jim Davis of SITLA was invited to the evaluation and declined to attend.

Floyd Bartlett
Onsite Evaluator

3/2/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

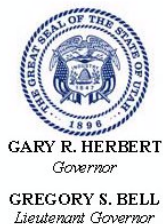
Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/25/2011**API NO. ASSIGNED:** 43047515070000**WELL NAME:** GMBU L-36-8-17**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** SWNE 36 080S 170E**Permit Tech Review:** ☒**SURFACE:** 1985 FNL 1997 FEL**Engineering Review:** ☒**BOTTOM:** 2481 FSL 1100 FEL**Geology Review:** ☒**COUNTY:** UINTAH**LATITUDE:** 40.07617**LONGITUDE:** -109.95190**UTM SURF EASTINGS:** 589370.00**NORTHINGS:** 4436528.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-44305**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** STATE/FEE - B001834☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 437478☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:** GMBU (GRRV)☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 213-11**Effective Date:** 11/30/2009**Siting:** Suspends General Siting☒ **R649-3-11. Directional Drill****Comments:** Presite Completed

Stipulations: 5 - Statement of Basis - bhill
15 - Directional - dmason
25 - Surface Casing - hmadonald
27 - Other - bhill

RECEIVED: Apr. 18, 2011



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU L-36-8-17
API Well Number: 43047515070000
Lease Number: ML-44305
Surface Owner: STATE
Approval Date: 4/18/2011

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
– contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

Spud
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Brnanden Arnold Phone Number 435-401-0223
Well Name/Number GMBU L-36-8-17
Qtr/Qtr SW/NE Section 36 Township 8S Range 17E
Lease Serial Number ML-44305
API Number 43-047-51507

Spud Notice – Spud is the initial spudding of the well, not drilling
out below a casing string.

Date/Time 5/3/11 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/3/11 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-44305
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1985 FNL 1999 FEL		8. WELL NAME and NUMBER: GMBU L-36-8-17
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: , 36, T8S, R17E SWNE		9. API NUMBER: 4304751507
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: UINTAH
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/10/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 5/5/11 MIRU Ross #29. Spud well @9:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 310.47. On 5/7/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 7 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Branden Arnold TITLE _____
SIGNATURE Brand Arnold DATE 05/10/2011

(This space for State use only)

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NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 310.47

LAST CASING	<u>14</u>	SET AT	<u>3</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE		<u>12</u>	
TD DRILLER	<u>310</u>	LOGGER	<u> </u>
HOLE SIZE	<u>12 1/4"</u>		

OPERATOR Newfield Exploration Company
WELL GMBU L-36-8-17
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # Ross # 29

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	COND T	LENGTH
1		wellhead					A	1.42
7	8 5/8"	casing (shoe jt 37.35)		24	J-55	STC	A	298.15
1	8 5/8"	guide shoe					A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				300.47
TOTAL LENGTH OF STRING		300.47	7	LESS CUT OFF PIECE				2
LESS NON CSG. ITEMS		2.32		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH				310.47
TOTAL		298.15	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)								
TIMING								
BEGIN RUN CSG.	Spud	9:00 AM	5/5/2011	GOOD CIRC THRU JOB				Yes
CSG. IN HOLE		5:00 AM	5/5/2011	Bbls CMT CIRC TO SURFACE				
BEGIN CIRC		8:18 AM	5/7/2011	RECIPROCATED PIPI				No
BEGIN PUMP CMT		8:29 AM	5/7/2011	BUMPED PLUG TO				500
BEGIN DSPL. CMT		8:38 AM	5/7/2011					
PLUG DOWN		8:47 AM	5/7/2011					

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Middle of first, top of second and third for a total of three.	

DATE **5/9/2011**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400 ✓	4301350520	GMBU P-23-8-17	SESE	22 23	8S	17E	DUCHESNE	5/8/2011	5/31/11
WELL 1 COMMENTS: GRRV BHL = Sec 23 SWSE											
B	99999	17400 ✓	4301350651	GMBU K-2-9-15	SENE	2	9S	15E	DUCHESNE	5/10/2011	5/31/11
GRRV BHL = NESE											
A	99999	18056	4301350448	BECKSTEAD 14-17-4-2W	SESW	17	4S	2W	DUCHESNE	5/12/2011	5/31/11
GRRV											
A	99999	18057	4304751301	UTE TRIBAL 7-15-4-1E	SWNE	15	4S	1E	UINTAH	5/11/2011	5/31/11
GRRV											
B	99999	17400 ✓	4301350519	GMBU S-22-8-17	SESE	22	8S	17E	DUCHESNE	5/9/2011	5/31/11
GRRV BHL = NWSE											
B	99999	17400 ✓	4304751507	GMBU L-36-8-17	SWNE	36	8S	17E	UINTAH	5/3/2011	5/31/11
GRRV BHL = NESE											

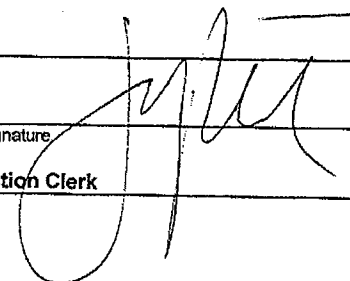
ACTION CODES (See Instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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DIV. OF OIL, GAS & MINING

Signature:  Jentri Park
Production Clerk
05/18/11

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-44305
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU L-36-8-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1985 FNL 1997 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43047515070000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/25/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above well was completed on 06/25/2011. Attached is a daily completion status report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 7/21/2011	

Daily Activity Report

Format For Sundry

GMBU L-36-8-17

4/1/2011 To 8/30/2011

6/14/2011 Day: 1

Completion

Rigless on 6/14/2011 - Run CBL & perforate stg #1. - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6339' & cement top @ 100'. Perforate stage #1, CP5 sds @ (6190'-95') w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen w/120° phasing) w/ 3 spf for total of 15 shots. CP4 sds @ (6096'- 6100') w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen w/120° phasing) w/ 3 spf for total of 12 shots. RD H/O truck & The Perforators WLT & mast. Wait on frac crew EWTR 151 BBLS

Daily Cost: \$0

Cumulative Cost: \$16,443

6/16/2011 Day: 2

Completion

Rigless on 6/16/2011 - Frac well. Flow well back. - RU BJ Services & Extreme WLT. Frac stage 1 thru 6 w/ 20/40 sand. Flow well back. Well flowed for 3 hours. SIFN w/ 2550 bbls EWTR.

Daily Cost: \$0

Cumulative Cost: \$145,133

6/21/2011 Day: 4

Completion

Nabors #1608 on 6/21/2011 - PU tbq. Drlg plugs. - MIRUSU. Open well w/ 125 psi on casing. RD Cameron BOP's. Instal Schefer BOP's. RU 4-3/4" Chomp mill & x-over sub. Tally, pick-up, drift, TIH w/ new J-55, 2-7/8", 8EUE, 6.5# tbq to leave 69 jts in. SIFN. - MIRUSU. Open well w/ 125 psi on casing. RD Cameron BOP's. Instal Schefer BOP's. RU 4-3/4" Chomp mill & x-over sub. Tally, pick-up, drift, TIH w/ new J-55, 2-7/8", 8EUE, 6.5# tbq to leave 69 jts in. SIFN. - Open well w/ 300 psi on casing. Pump 20 bbls water down tbq. Continue PU tbq & TIH to tag sand @ 4503' (C/O 72' of sand) plug @ 4575'. RU nswivel, pump & tanks. Drlg out plug in 30 min. Continue PU tbq & drlg out plugs. Had trouble w/ sand. Had to TOOH w/ tbq (short trip) to get free. Left EOT @ 5327' w/ 2 plugs left to drlg. SIFN. - Open well w/ 300 psi on casing. Pump 20 bbls water down tbq. Continue PU tbq & TIH to tag sand @ 4503' (C/O 72' of sand) plug @ 4575'. RU nswivel, pump & tanks. Drlg out plug in 30 min. Continue PU tbq & drlg out plugs. Had trouble w/ sand. Had to TOOH w/ tbq (short trip) to get free. Left EOT @ 5327' w/ 2 plugs left to drlg. SIFN.

Daily Cost: \$0

Cumulative Cost: \$197,074

6/22/2011 Day: 5

Completion

Nabors #1608 on 6/22/2011 - TIH w/ tbq drlg plugs. C/O to PBTD. - Open well w/ 100 psi on casing. Pump 20 bbls down tbq. TIH w/ tbq to tag fill @ 5535'. RU swivel, pump & tanks. C/O to plug @ 5690'. Drlg out plug #4 in 1 hour. Swivel broke. Continue TIH w/ tbq to tag fill @ 6160'. C/O to PBTD @ 6393'. SIFN.

Daily Cost: \$0

Cumulative Cost: \$203,997

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6/23/2011 Day: 6**Completion**

Nabors #1608 on 6/23/2011 - Swab well. TIH w/ production tbg. - Open well w/ 50 psi on casing. RU swab equipment. Made 16 runs & rec'd 165 bbls of fluid. FFL was 2100' w/ last run showed trace of oil w/ no sand. RD swab. TIH w/ tbg to tag no new sand. C/O to PBSD @ 6393'. TOOH w/ tbg. LD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new Cntrl Hydrlic w/ 45,000# shear & carbide slips, 197 jts tbg. SIFN.

Daily Cost: \$0

Cumulative Cost: \$209,307

6/24/2011 Day: 7**Completion**

Nabors #1608 on 6/24/2011 - TA won't set. TIH w/ new TA. PU rods. - Open well w/ 50 psi on casing. Circulate 60 bbls down tbg. Try to set TA. Circulate 60 bbls down casing. Circulate 60 bbls down tbg. Still won't set. TOOH w/ tbg. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new Cntrl Hydrlic w/ 45,000# shear w/ carbide slips, 197 jts tbg. RD BOP's. Set TA @ 6145' w/ 18,000#'s tension w/ SN @ 6180' & EOT @ 6244'. Pickup & prime pump. RIH w/ 2-1/2" x 1-3/4" x 21' x 24' new Cntrl Hydrlic RHAC pump w/ 225"SL, 1" x 4' stabilizer bar, 4- 1-1/2" weight rods, 35- 7/8" guided rods 8per. SIFN.

Daily Cost: \$0

Cumulative Cost: \$218,798

6/25/2011 Day: 8**Completion**

Nabors #1608 on 6/25/2011 - PU rods. Put well on pump. - Open well w/ 0 psi on casing. Continue TIH w/ rods. Space pump. Test tbg & pump to 800 psi w/ 12 bbls water. POP @ 11AM w/ 122"SL, @ 5 spm w/ 2300 BBls EWTR. Final Report. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$278,651

Pertinent Files: [Go to File List](#)

RECEIVED Jul. 21, 2011

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						5. Lease Serial No. ML-44305			
2. Name of Operator NEWFIELD EXPLORATION COMPANY						6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No. Greater Monument Butte			
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202				3a. Phone No. (include area code) (435) 646-3721		8. Lease Name and Well No. Greater Monument Butte L-36-8-17			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1985' FNL & 1997' FEL (SW/NE) SEC. 36, T8S, R17E (ML-44305) At top prod. interval reported below 2516' FNL & 1405' FEL (SW/NE) SEC. 36, T8S, R17E (ML-44305) At total depth 2460' FSL & 1085' FEL (NW/SE) SEC. 36, T8S, R17E (ML-44305)						9. AFI Well No. 43-047-51507 10. Field and Pool or Exploratory Monument Butte 11. Sec., T., R., M., on Block and Survey or Area SEC. 36, T8S, R17E 12. County or Parish UINTAH 13. State UT			
14. Date Spudded 05/05/2011		15. Date T.D. Reached 05/31/2011		16. Date Completed 06/25/2011 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 5004' GL 5016' KB			
18. Total Depth: MD 6420' TVD 6278'		19. Plug Back T.D.: MD 6393' TVD 6252		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	310'		180 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6417'		290 PRIMLITE		100'	
						400 50/50 POZ			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 6244'	TA @ 6145'							
25. Producing Intervals									
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) Green River		4500'	6195'	6096-6195'		.36"	27		
B)				4500-5950'		.34"	153		
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
4500-6195'		Frac w/ 306386#s 20/40 sand in 1454 bbls of Lightning 17 fluid in 6 stages.							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/28/11	7/10/11	24	→	26	15	7			2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4500'	6195'		GARDEN GULCH MRK GARDEN GULCH 1	3989' 4163'
				GARDEN GULCH 2 POINT 3	4280' 4548'
				X MRKR Y MRKR	4768' 4809'
				DOUGALS CREEK MRK BI-CARB	4940' 5171'
				B LIMESTONE MARK CASTLE PEAK	5318' 5817'
				BASAL CARBONATE WASATCH	6247' 6386'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Jennifer Peatross

Title Production Technician

Signature

Date 07/21/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 36 T8S, R17E
L-36-8-17**

Wellbore #1

Design: Actual

Standard Survey Report

09 June, 2011



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: L-36-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-36-8-17
TVD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig #2)
MD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 36 T8S, R17E		
Site Position:		Northing:	7,200,290.92 ft
From:	Lat/Long	Easting:	2,072,102.31 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 4' 35.190 N
		Longitude:	109° 57' 26.000 W
		Grid Convergence:	0.99 °

Well	L-36-8-17, SHL LAT: 40 04 34.50 LONG: -109 57 09.44		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,016.0 ft
		Latitude:	40° 4' 34.500 N
		Longitude:	109° 57' 9.440 W
		Ground Level:	5,004.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/01/27	11.32	65.85	52,345

Design	Actual			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	132.67

Survey Program	Date 2011/06/09			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
394.0	6,420.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
394.0	0.79	292.37	394.0	1.0	-2.5	-2.5	0.20	0.20	0.00
425.0	0.90	301.60	425.0	1.2	-2.9	-3.0	0.56	0.35	29.77
455.0	0.90	319.40	455.0	1.5	-3.3	-3.5	0.93	0.00	59.33
486.0	1.20	326.50	486.0	2.0	-3.6	-4.0	1.05	0.97	22.90
517.0	1.30	320.00	517.0	2.5	-4.0	-4.7	0.56	0.32	-20.97
547.0	1.10	303.70	547.0	3.0	-4.5	-5.3	1.31	-0.67	-54.33
578.0	0.62	257.10	578.0	3.1	-4.9	-5.7	2.62	-1.55	-150.32
608.0	1.10	217.40	608.0	2.8	-5.2	-5.7	2.46	1.60	-132.33
639.0	1.50	193.70	638.9	2.2	-5.5	-5.5	2.14	1.29	-76.45
669.0	1.80	179.30	668.9	1.3	-5.6	-5.0	1.70	1.00	-48.00
700.0	2.40	172.45	699.9	0.2	-5.5	-4.2	2.09	1.94	-22.10
730.0	3.10	167.70	729.9	-1.2	-5.2	-3.0	2.45	2.33	-15.83



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: L-36-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-36-8-17
TVD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig #2)
MD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
761.0	3.60	165.50	760.8	-3.0	-4.8	-1.5	1.67	1.61	-7.10
792.0	4.00	163.20	791.8	-4.9	-4.3	0.2	1.38	1.29	-7.42
822.0	4.40	162.50	821.7	-7.0	-3.6	2.1	1.34	1.33	-2.33
853.0	5.05	159.70	852.6	-9.5	-2.8	4.4	2.22	2.10	-9.03
884.0	5.76	160.10	883.4	-12.2	-1.8	7.0	2.29	2.29	1.29
916.0	6.50	160.85	915.3	-15.4	-0.6	10.0	2.33	2.31	2.34
948.0	6.70	162.00	947.0	-18.9	0.5	13.2	0.75	0.63	3.59
979.0	6.70	161.10	977.8	-22.3	1.7	16.4	0.34	0.00	-2.90
1,011.0	7.00	160.70	1,009.6	-25.9	2.9	19.7	0.95	0.94	-1.25
1,043.0	7.60	161.30	1,041.3	-29.8	4.3	23.3	1.89	1.88	1.88
1,074.0	7.80	159.70	1,072.1	-33.7	5.6	27.0	0.95	0.65	-5.16
1,106.0	8.48	158.70	1,103.7	-37.9	7.3	31.0	2.17	2.13	-3.13
1,138.0	9.10	158.10	1,135.4	-42.5	9.1	35.5	1.96	1.94	-1.88
1,170.0	9.80	157.70	1,166.9	-47.4	11.0	40.2	2.20	2.19	-1.25
1,201.0	10.30	152.80	1,197.5	-52.3	13.3	45.2	3.19	1.61	-15.81
1,233.0	10.55	147.40	1,228.9	-57.3	16.2	50.7	3.15	0.78	-16.88
1,263.0	10.90	142.20	1,258.4	-61.8	19.4	56.2	3.43	1.17	-17.33
1,295.0	11.30	136.20	1,289.8	-66.5	23.4	62.3	3.82	1.25	-18.75
1,328.0	11.47	132.40	1,322.2	-71.0	28.1	68.8	2.33	0.52	-11.52
1,359.0	11.60	128.30	1,352.5	-75.0	32.8	75.0	2.68	0.42	-13.23
1,390.0	12.00	123.80	1,382.9	-78.8	37.9	81.3	3.24	1.29	-14.52
1,422.0	12.44	123.89	1,414.1	-82.5	43.6	88.0	1.38	1.38	0.28
1,454.0	13.14	126.13	1,445.4	-86.6	49.4	95.0	2.68	2.19	7.00
1,486.0	13.71	127.14	1,476.5	-91.0	55.3	102.4	1.93	1.78	3.16
1,518.0	13.84	127.27	1,507.6	-95.6	61.4	110.0	0.42	0.41	0.41
1,549.0	13.75	126.22	1,537.7	-100.1	67.3	117.3	0.86	-0.29	-3.39
1,581.0	13.90	127.30	1,568.7	-104.6	73.4	124.9	0.93	0.47	3.38
1,612.0	13.75	126.04	1,598.8	-109.1	79.4	132.3	1.09	-0.48	-4.06
1,645.0	13.80	126.04	1,630.9	-113.7	85.7	140.1	0.15	0.15	0.00
1,676.0	13.80	126.30	1,661.0	-118.0	91.7	147.4	0.20	0.00	0.84
1,708.0	13.70	125.88	1,692.1	-122.5	97.8	155.0	0.44	-0.31	-1.31
1,740.0	13.62	126.83	1,723.2	-127.0	103.9	162.5	0.74	-0.25	2.97
1,771.0	13.30	128.00	1,753.3	-131.4	109.7	169.7	1.36	-1.03	3.77
1,803.0	13.40	128.00	1,784.5	-135.9	115.5	177.1	0.31	0.31	0.00
1,835.0	13.45	128.00	1,815.6	-140.5	121.3	184.5	0.16	0.16	0.00
1,866.0	13.40	129.03	1,845.7	-145.0	127.0	191.6	0.79	-0.16	3.32
1,898.0	13.90	131.00	1,876.8	-149.9	132.8	199.2	2.13	1.56	6.16
1,930.0	13.62	130.70	1,907.9	-154.8	138.5	206.8	0.90	-0.88	-0.94
1,961.0	13.75	131.36	1,938.0	-159.6	144.0	214.1	0.66	0.42	2.13
1,993.0	13.80	130.00	1,969.1	-164.6	149.8	221.7	1.02	0.16	-4.25
2,025.0	13.50	129.40	2,000.2	-169.4	155.6	229.3	1.04	-0.94	-1.88
2,056.0	13.50	128.20	2,030.4	-174.0	161.3	236.5	0.90	0.00	-3.87
2,088.0	13.80	129.60	2,061.5	-178.7	167.1	244.0	1.39	0.94	4.38
2,119.0	13.60	131.20	2,091.6	-183.5	172.7	251.4	1.38	-0.65	5.16
2,151.0	13.50	133.20	2,122.7	-188.5	178.3	258.9	1.50	-0.31	6.25
2,183.0	13.60	134.70	2,153.8	-193.7	183.7	266.4	1.14	0.31	4.69
2,214.0	13.60	134.00	2,183.9	-198.8	188.9	273.6	0.53	0.00	-2.26
2,246.0	13.90	132.70	2,215.0	-204.0	194.4	281.2	1.35	0.94	-4.06
2,278.0	14.40	131.70	2,246.0	-209.3	200.2	289.1	1.74	1.56	-3.13
2,310.0	14.30	131.80	2,277.0	-214.6	206.1	297.0	0.32	-0.31	0.31
2,341.0	14.40	131.70	2,307.1	-219.7	211.9	304.7	0.33	0.32	-0.32
2,373.0	14.20	131.80	2,338.1	-224.9	217.8	312.6	0.63	-0.63	0.31
2,405.0	13.90	130.30	2,369.1	-230.0	223.6	320.3	1.47	-0.94	-4.69
2,437.0	14.00	129.10	2,400.2	-235.0	229.6	328.1	0.96	0.31	-3.75



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: L-36-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-36-8-17
TVD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig #2)
MD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,468.0	14.20	129.10	2,430.2	-239.7	235.4	335.6	0.65	0.65	0.00
2,500.0	14.20	129.10	2,461.3	-244.7	241.5	343.4	0.00	0.00	0.00
2,532.0	13.70	129.20	2,492.3	-249.6	247.5	351.1	1.56	-1.56	0.31
2,563.0	13.20	128.70	2,522.5	-254.1	253.1	358.3	1.66	-1.61	-1.61
2,595.0	12.80	128.40	2,553.6	-258.6	258.7	365.5	1.27	-1.25	-0.94
2,627.0	12.70	127.50	2,584.9	-262.9	264.3	372.5	0.69	-0.31	-2.81
2,658.0	13.10	130.00	2,615.1	-267.2	269.7	379.4	2.21	1.29	8.06
2,690.0	13.30	131.70	2,646.2	-272.0	275.2	386.7	1.36	0.63	5.31
2,721.0	13.00	133.20	2,676.4	-276.8	280.4	393.8	1.47	-0.97	4.84
2,817.0	13.80	134.22	2,769.8	-292.2	296.5	416.0	0.87	0.83	1.06
2,848.0	13.80	133.00	2,799.9	-297.3	301.9	423.4	0.94	0.00	-3.94
2,880.0	13.90	132.50	2,831.0	-302.5	307.5	431.1	0.49	0.31	-1.56
2,912.0	13.80	132.60	2,862.0	-307.6	313.1	438.8	0.32	-0.31	0.31
2,943.0	13.20	131.10	2,892.2	-312.5	318.5	446.0	2.24	-1.94	-4.84
2,975.0	12.50	130.30	2,923.4	-317.1	323.9	453.1	2.26	-2.19	-2.50
3,007.0	12.10	130.20	2,954.7	-321.5	329.1	459.9	1.25	-1.25	-0.31
3,038.0	11.90	130.50	2,985.0	-325.7	334.0	466.3	0.68	-0.65	0.97
3,070.0	12.00	129.80	3,016.3	-330.0	339.1	473.0	0.55	0.31	-2.19
3,102.0	12.10	129.60	3,047.6	-334.2	344.2	479.6	0.34	0.31	-0.63
3,133.0	12.30	129.50	3,077.9	-338.4	349.3	486.2	0.65	0.65	-0.32
3,165.0	12.30	129.80	3,109.1	-342.8	354.5	493.0	0.20	0.00	0.94
3,197.0	12.50	130.20	3,140.4	-347.2	359.8	499.9	0.68	0.63	1.25
3,229.0	13.00	129.30	3,171.6	-351.7	365.2	506.9	1.68	1.56	-2.81
3,261.0	13.60	128.94	3,202.7	-356.3	370.9	514.3	1.89	1.88	-1.13
3,293.0	14.10	129.00	3,233.8	-361.1	376.9	521.9	1.56	1.56	0.19
3,324.0	14.10	128.40	3,263.9	-365.9	382.8	529.4	0.47	0.00	-1.94
3,356.0	13.60	127.80	3,295.0	-370.6	388.8	537.1	1.63	-1.56	-1.88
3,387.0	13.00	126.80	3,325.1	-374.9	394.5	544.2	2.07	-1.94	-3.23
3,418.0	12.90	123.80	3,355.3	-378.9	400.2	551.1	2.19	-0.32	-9.68
3,450.0	13.50	123.80	3,386.5	-383.0	406.2	558.3	1.88	1.88	0.00
3,482.0	14.30	125.60	3,417.6	-387.4	412.5	565.9	2.84	2.50	5.63
3,514.0	14.50	127.80	3,448.5	-392.1	418.9	573.8	1.82	0.63	6.88
3,545.0	14.60	129.50	3,478.6	-397.0	425.0	581.6	1.41	0.32	5.48
3,577.0	13.80	127.30	3,509.6	-401.9	431.2	589.4	3.02	-2.50	-6.88
3,608.0	12.90	124.50	3,539.7	-406.1	436.9	596.5	3.57	-2.90	-9.03
3,640.0	12.30	123.70	3,571.0	-410.0	442.7	603.4	1.95	-1.88	-2.50
3,670.0	12.10	124.30	3,600.3	-413.5	448.0	609.7	0.79	-0.67	2.00
3,702.0	12.40	125.30	3,631.6	-417.4	453.6	616.4	1.15	0.94	3.13
3,735.0	12.90	127.30	3,663.8	-421.7	459.4	623.6	2.01	1.52	6.06
3,767.0	13.20	127.10	3,694.9	-426.1	465.1	630.8	0.95	0.94	-0.63
3,798.0	13.60	126.90	3,725.1	-430.4	470.9	637.9	1.30	1.29	-0.65
3,830.0	14.20	125.80	3,756.2	-434.9	477.1	645.6	2.05	1.88	-3.44
3,862.0	14.20	125.20	3,787.2	-439.5	483.5	653.3	0.46	0.00	-1.88
3,893.0	13.80	125.10	3,817.3	-443.8	489.6	660.8	1.29	-1.29	-0.32
3,925.0	13.10	124.80	3,848.4	-448.1	495.7	668.2	2.20	-2.19	-0.94
3,957.0	12.60	124.70	3,879.6	-452.1	501.5	675.2	1.56	-1.56	-0.31
3,988.0	12.20	126.70	3,909.9	-456.0	506.9	681.8	1.89	-1.29	6.45
4,020.0	11.90	131.00	3,941.1	-460.2	512.1	688.5	2.96	-0.94	13.44
4,052.0	11.50	133.10	3,972.5	-464.5	517.0	695.0	1.83	-1.25	6.56
4,084.0	11.20	132.30	4,003.9	-468.8	521.6	701.3	1.06	-0.94	-2.50
4,115.0	11.20	129.10	4,034.3	-472.7	526.2	707.3	2.00	0.00	-10.32
4,147.0	11.50	128.90	4,065.6	-476.7	531.0	713.6	0.95	0.94	-0.63
4,179.0	11.90	130.57	4,097.0	-480.9	536.0	720.0	1.64	1.25	5.22
4,210.0	12.40	131.30	4,127.3	-485.1	541.0	726.6	1.69	1.61	2.35



PayZone Directional Services, LLC.

Survey Report



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Design: Actual

Local Co-ordinate Reference: Well L-36-8-17
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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,242.0	13.10	132.80	4,158.5	-489.9	546.2	733.6	2.42	2.19	4.69
4,274.0	13.60	132.50	4,189.6	-494.9	551.6	741.0	1.58	1.56	-0.94
4,305.0	14.00	132.40	4,219.7	-499.9	557.1	748.4	1.29	1.29	-0.32
4,337.0	14.37	132.00	4,250.8	-505.1	562.9	756.2	1.20	1.16	-1.25
4,369.0	14.30	131.40	4,281.8	-510.4	568.8	764.2	0.51	-0.22	-1.88
4,400.0	14.20	132.20	4,311.8	-515.5	574.5	771.8	0.71	-0.32	2.58
4,432.0	14.20	130.80	4,342.8	-520.7	580.4	779.6	1.07	0.00	-4.38
4,464.0	14.20	130.40	4,373.8	-525.8	586.3	787.5	0.31	0.00	-1.25
4,496.0	14.20	131.30	4,404.9	-530.9	592.3	795.3	0.69	0.00	2.81
4,528.0	14.30	129.50	4,435.9	-536.0	598.3	803.2	1.42	0.31	-5.63
4,559.0	13.90	127.90	4,466.0	-540.8	604.2	810.7	1.80	-1.29	-5.16
4,591.0	13.90	127.60	4,497.0	-545.5	610.3	818.4	0.23	0.00	-0.94
4,623.0	13.60	127.40	4,528.1	-550.1	616.3	826.0	0.95	-0.94	-0.63
4,655.0	13.10	127.20	4,559.2	-554.6	622.2	833.3	1.57	-1.56	-0.63
4,686.0	13.00	127.84	4,589.4	-558.8	627.7	840.3	0.57	-0.32	2.06
4,718.0	13.10	130.40	4,620.6	-563.4	633.3	847.5	1.83	0.31	8.00
4,750.0	13.65	132.30	4,651.7	-568.3	638.9	854.9	2.20	1.72	5.94
4,782.0	13.70	132.80	4,682.8	-573.4	644.5	862.5	0.40	0.16	1.56
4,813.0	13.80	133.30	4,712.9	-578.4	649.8	869.8	0.50	0.32	1.61
4,845.0	14.00	132.60	4,744.0	-583.7	655.5	877.5	0.82	0.63	-2.19
4,877.0	13.80	131.70	4,775.1	-588.8	661.2	885.2	0.92	-0.63	-2.81
4,909.0	13.50	131.01	4,806.2	-593.8	666.8	892.8	1.07	-0.94	-2.16
4,940.0	13.70	131.30	4,836.3	-598.6	672.3	900.1	0.68	0.65	0.94
4,972.0	14.20	130.00	4,867.4	-603.6	678.2	907.8	1.84	1.56	-4.06
5,004.0	13.60	130.70	4,898.4	-608.6	684.0	915.4	1.95	-1.88	2.19
5,035.0	13.10	129.20	4,928.6	-613.2	689.5	922.6	1.96	-1.61	-4.84
5,067.0	13.00	127.90	4,959.8	-617.7	695.2	929.8	0.97	-0.31	-4.06
5,099.0	12.70	127.00	4,991.0	-622.0	700.8	936.9	1.13	-0.94	-2.81
5,103.8	12.72	126.94	4,995.6	-622.7	701.7	937.9	0.43	0.32	-1.30
L-36-8-17 TGT									
5,130.0	12.80	126.60	5,021.2	-626.1	706.3	943.7	0.43	0.32	-1.29
5,162.0	12.60	128.30	5,052.4	-630.4	711.9	950.7	1.32	-0.63	5.31
5,193.0	12.30	127.80	5,082.7	-634.5	717.1	957.4	1.03	-0.97	-1.61
5,224.0	11.70	126.50	5,113.0	-638.4	722.3	963.8	2.12	-1.94	-4.19
5,255.0	11.80	126.10	5,143.3	-642.2	727.4	970.0	0.42	0.32	-1.29
5,287.0	12.40	125.80	5,174.6	-646.1	732.8	976.7	1.89	1.88	-0.94
5,319.0	13.10	128.60	5,205.8	-650.4	738.4	983.7	2.92	2.19	8.75
5,350.0	12.80	129.60	5,236.1	-654.8	743.8	990.7	1.21	-0.97	3.23
5,382.0	12.30	129.50	5,267.3	-659.2	749.2	997.6	1.56	-1.56	-0.31
5,414.0	12.20	129.70	5,298.6	-663.5	754.4	1,004.4	0.34	-0.31	0.63
5,446.0	12.10	130.60	5,329.8	-667.8	759.5	1,011.1	0.67	-0.31	2.81
5,477.0	11.70	131.10	5,360.2	-672.0	764.4	1,017.5	1.33	-1.29	1.61
5,509.0	12.00	130.00	5,391.5	-676.3	769.4	1,024.1	1.17	0.94	-3.44
5,541.0	12.50	131.90	5,422.8	-680.8	774.5	1,030.9	2.01	1.56	5.94
5,573.0	13.00	133.80	5,454.0	-685.6	779.7	1,037.9	2.04	1.56	5.94
5,604.0	13.70	135.50	5,484.1	-690.6	784.8	1,045.1	2.59	2.26	5.48
5,636.0	14.20	139.10	5,515.2	-696.3	790.0	1,052.8	3.13	1.56	11.25
5,667.0	14.50	139.90	5,545.2	-702.1	795.0	1,060.4	1.16	0.97	2.58
5,699.0	15.30	138.00	5,576.2	-708.3	800.4	1,068.6	2.93	2.50	-5.94
5,731.0	16.20	136.81	5,607.0	-714.7	806.3	1,077.2	2.99	2.81	-3.72
5,763.0	16.30	136.46	5,637.7	-721.2	812.4	1,086.2	0.44	0.31	-1.09
5,794.0	15.50	134.80	5,667.5	-727.3	818.4	1,094.6	2.97	-2.58	-5.35
5,826.0	14.33	134.40	5,698.4	-733.1	824.2	1,102.9	3.67	-3.66	-1.25
5,858.0	13.93	135.00	5,729.4	-738.6	829.8	1,110.7	1.33	-1.25	1.88



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: L-36-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-36-8-17
TVD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig #2)
MD Reference: L-36-8-17 @ 5016.0ft (Newfield Rig #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,889.0	14.28	136.94	5,759.5	-744.0	835.0	1,118.2	1.90	1.13	6.26
5,921.0	14.37	136.46	5,790.5	-749.7	840.4	1,126.1	0.47	0.28	-1.50
5,953.0	14.55	135.40	5,821.5	-755.5	846.0	1,134.1	1.00	0.56	-3.31
5,985.0	14.20	135.60	5,852.5	-761.2	851.6	1,142.0	1.10	-1.09	0.63
6,016.0	13.80	135.97	5,882.6	-766.5	856.8	1,149.5	1.32	-1.29	1.19
6,048.0	13.18	135.88	5,913.7	-771.9	862.0	1,157.0	1.94	-1.94	-0.28
6,080.0	12.90	136.50	5,944.9	-777.1	867.0	1,164.2	0.98	-0.88	1.94
6,143.0	12.22	135.80	6,006.4	-787.0	876.5	1,177.9	1.11	-1.08	-1.11
6,174.0	11.73	137.38	6,036.7	-791.7	880.9	1,184.3	1.90	-1.58	5.10
6,206.0	11.56	136.81	6,068.0	-796.4	885.3	1,190.7	0.64	-0.53	-1.78
6,238.0	11.00	137.90	6,099.4	-801.0	889.5	1,196.9	1.87	-1.75	3.41
6,360.0	10.46	138.30	6,219.3	-817.9	904.7	1,219.6	0.45	-0.44	0.33
6,420.0	10.19	138.50	6,278.3	-825.9	911.9	1,230.3	0.45	-0.45	0.33

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
L-36-8-17 TGT	0.00	0.99	5,000.0	-623.7	676.6	7,199,631.40	2,074,077.83	40° 4' 28.335 N	109° 57' 0.735 W
- actual wellpath misses by 25.4ft at 5103.8ft MD (4995.6 TVD, -622.7 N, 701.7 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD



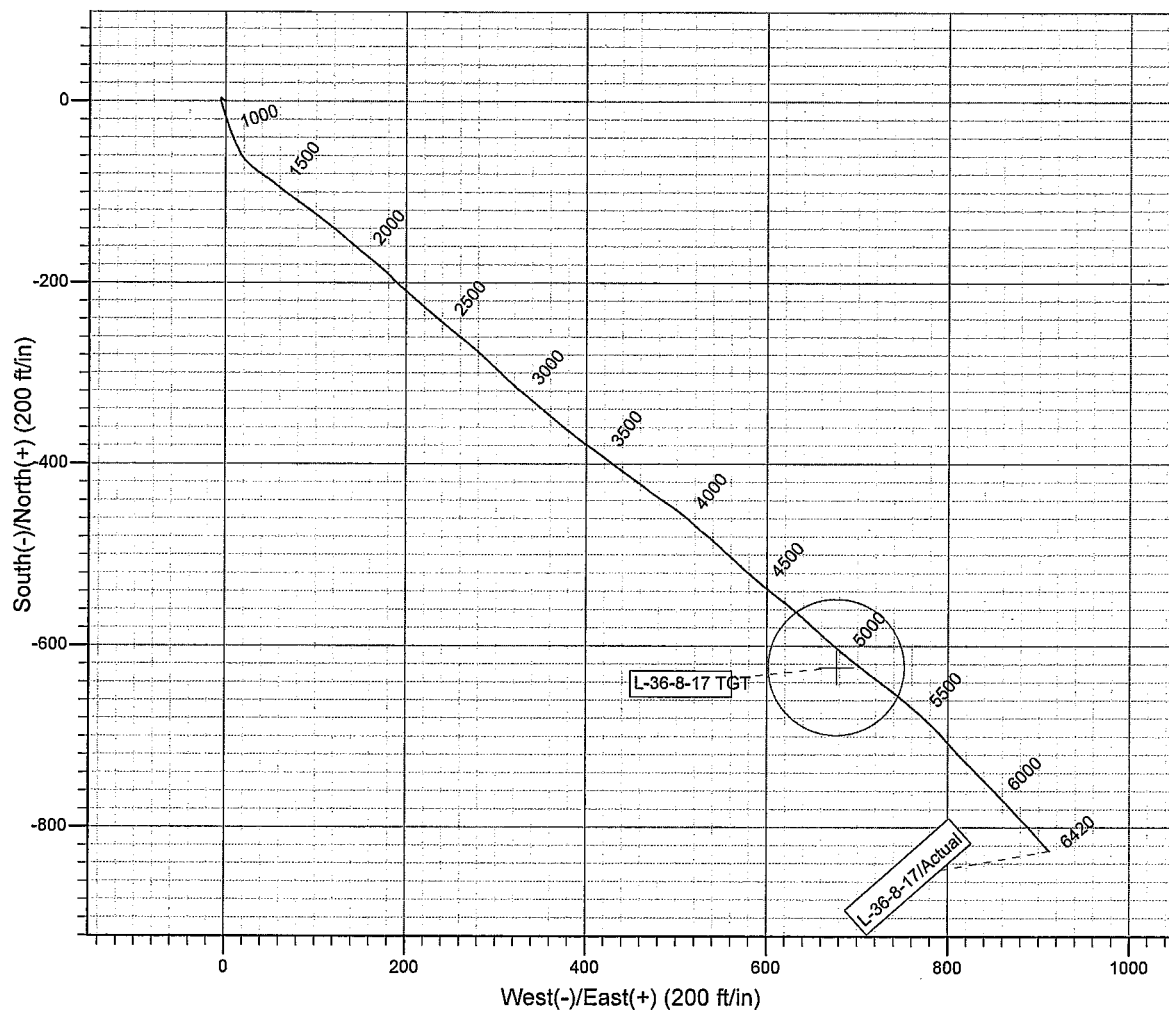
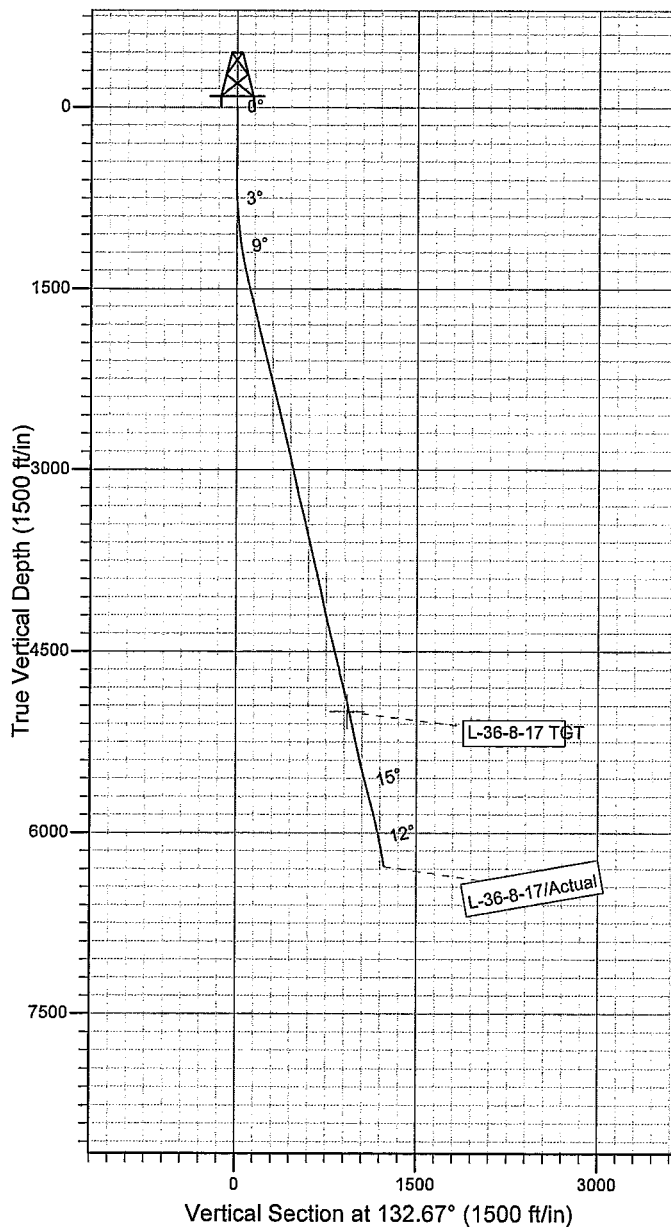
Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: L-36-8-17
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.32°

Magnetic Field
 Strength: 52344.7snT
 Dip Angle: 65.85°
 Date: 2011/01/27
 Model: IGRF2010



Design: Actual (L-36-8-17/Wellbore #1)



Created By: Sarah Webb Date: 17:54, June 09 2011
 THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report**Format For Sundry****GMBU L-36-8-17****3/1/2011 To 7/30/2011****GMBU L-36-8-17****Waiting on Cement****Date:** 5/9/2011

Ross #29 at 310. Days Since Spud - yield. Returned 7bbls to pit, bump plug to 500psi, BLM and State were notified of spud via email. - On 5/5/11 Ross #29 spud and drilled 310' of 12 1/4" hole, P/U and run 7 jts of 8 5/8" casing set - @ 310.47'KB. On 5/7/11 cement w/BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17

Daily Cost: \$0**Cumulative Cost:** \$57,270

GMBU L-36-8-17**Drill 7 7/8" hole with fresh water****Date:** 5/27/2011

NDSI #2 at 1102. 1 Days Since Spud - surface casing at 1500 psi for 30 min. All test ok. - inside valve, blind rams, kill line, choke line and manifold. 2000 psi for ten minutes. Then the - Accept rig on 5/26/2011 at 1600. R/U B&C Quicktest. Test upper kelly, safety valve, pipe rams, - On 5/26/2011 set equipment w/Liddell trucking and nipple up BOP. (24.6 miles from W-2-9-15) - 5/26/2011 @ 1500 - Pick up BHA as follows: Smith Mi616, 6.5" Hunting 4.8 stage 7/8lobe .33 revs/gal mud motor, 1x31.02 - monel, 1x3.39 gap sub, 1x2.11 index sub, 1x5.28 NM pony sub and 5 4.5" HWDP and tag cmt. At 275' - Drill 7-7/8" hole from 275' to 1102' with 10,000lbs WOB, 160 total RPM, 400 GPM, 82.7 fph avg ROP. - 24hr notice sent to State via email on 5/25/2011 of rig move on 5/26/2011 at 6:00 PM and BOP test on

Daily Cost: \$0**Cumulative Cost:** \$95,304

GMBU L-36-8-17**Drill 7 7/8" hole with fresh water****Date:** 5/28/2011

NDSI #2 at 3319. 2 Days Since Spud - Drill 7-7/8" hole from 1925' to 3319' with 10,000lbs WOB, 160 total RPM, 400 GPM, 87.1 fph avg ROP. - Drill 7-7/8" hole from 1102' to 1925' with 20,000lbs WOB, 160 total RPM, 400 GPM, 117.5 fph avg ROP. - Rig service. Function test BOP and crown-o-matic

Daily Cost: \$0**Cumulative Cost:** \$117,693

GMBU L-36-8-17**Drill 7 7/8" hole with fresh water****Date:** 5/29/2011

NDSI #2 at 4966. 3 Days Since Spud - Rig service. Function test BOP and crown-o-matic - Drill 7-7/8" hole from 3889' to 4966' with 10,000lbs WOB, 160 total RPM, 400 GPM, 67.3 fph avg ROP. - Drill 7-7/8" hole from 3319' to 3889' with 10,000lbs WOB, 160 total RPM, 400 GPM, 76 fph avg ROP.

Daily Cost: \$0**Cumulative Cost:** \$202,619

GMBU L-36-8-17**Circulate & Condition Hole****Date:** 5/30/2011

NDSI #2 at 6420. 4 Days Since Spud - Drill 7-7/8" hole from 5505' to 6420' with 20,000lbs WOB, 160 total RPM, 400 GPM, 65.4 fph avg ROP. - Rig service. Function test BOP and crown-o-matic - Drill 7-7/8" hole from 4966' to 5505' with 20,000lbs WOB, 160 total RPM, 400 GPM,

67.4 fph avg ROP. - Circulate at TD (6420'). Well flowing at 10 gal/min. Will pull up to 4000' and spot 10# brine.

Daily Cost: \$0

Cumulative Cost: \$227,107

GMBU L-36-8-17**Waiting on Cement**

Date: 5/31/2011

NDSI #2 at 6420. 5 Days Since Spud - Pump 290 sacks PL11+3%

KCL+5#CSE+.5#CF+5#KOL+.5SMS+FP+SF mixed at 11ppg 3.43 yield. - Then 400 sacks 50:50:2+3%KCL+.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L 14.4ppg 1.24 yield. - Returned 32 bbls of cement to reserve pit. - Start to clean mud tanks - Finish cleaning mud tanks, Release rig at 0730 5/31/2011. - Circulate, land casing mandrill and rig up BJ hard lines - Run 155 jts of 5 1/2" J55 15.50# casing set at 6417'/KB - Test 5 1/2" pipe rams to 2000 psi for ten minutes. Test good. - logging truck from town and log well. Tripple combo. TD to 4200' 30'/min. - R/U PSI and run in hole. Tool failure. Pull out of hole and install new. Failure continued. Replace - Lay down DP and BHA - Spot 260 bbls of 10# brine water to kill flow. Check flow, no flow - Lay down pipe to 4000' - Circulate - Finish cleaning mud tanks, Release rig at 0730 5/31/2011. - Start to clean mud tanks - Returned 32 bbls of cement to reserve pit. - Then 400 sacks 50:50:2+3%KCL+.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L 14.4ppg 1.24 yield. - Pump 290 sacks PL11+3%KCL+5#CSE+.5#CF+5#KOL+.5SMS+FP+SF mixed at 11ppg 3.43 yield. - Circulate, land casing mandrill and rig up BJ hard lines - Run 155 jts of 5 1/2" J55 15.50# casing set at 6417'/KB - Test 5 1/2" pipe rams to 2000 psi for ten minutes. Test good. - logging truck from town and log well. Tripple combo. TD to 4200' 30'/min. - R/U PSI and run in hole. Tool failure. Pull out of hole and install new. Failure continued. Replace - Lay down DP and BHA - Spot 260 bbls of 10# brine water to kill flow. Check flow, no flow - Circulate - Lay down pipe to 4000' **Finalized**

Daily Cost: \$0

Cumulative Cost: \$345,554

Pertinent Files: Go to File List